

รายการอ้างอิง

ภาษาไทย

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ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

μ

z	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
0	.0450	.0408	.0369	.0334	.0302	.0273	.0247	.0224	.0202	.0183
1	.1397	.1304	.1217	.1135	.1057	.0984	.0915	.0850	.0789	.0733
2	.2165	.2087	.2008	.1929	.1850	.1771	.1692	.1615	.1539	.1465
3	.2237	.2226	.2209	.2186	.2158	.2125	.2087	.2046	.2001	.1954
4	.1734	.1781	.1823	.1858	.1888	.1912	.1931	.1944	.1951	.1954
5	.1075	.1140	.1203	.1264	.1322	.1377	.1429	.1477	.1522	.1563
6	.0555	.0608	.0662	.0716	.0771	.0826	.0881	.0936	.0989	.1042
7	.0246	.0278	.0312	.0348	.0385	.0425	.0466	.0508	.0551	.0595
8	.0095	.0111	.0129	.0148	.0169	.0191	.0215	.0241	.0269	.0298
9	.0033	.0040	.0047	.0056	.0066	.0076	.0089	.0102	.0116	.0132
10	.0010	.0013	.0016	.0019	.0023	.0028	.0033	.0039	.0045	.0053
11	.0003	.0004	.0005	.0006	.0007	.0009	.0011	.0013	.0016	.0019
12	.0001	.0001	.0001	.0002	.0002	.0003	.0003	.0004	.0005	.0006
13	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0002	.0002
14	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001

μ

z	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
0	.0166	.0150	.0136	.0123	.0111	.0101	.0091	.0082	.0074	.0067
1	.0679	.0630	.0583	.0540	.0500	.0462	.0427	.0395	.0365	.0337
2	.1393	.1323	.1254	.1188	.1125	.1063	.1005	.0948	.0894	.0842
3	.1904	.1852	.1798	.1743	.1687	.1631	.1574	.1517	.1460	.1404
4	.1951	.1944	.1933	.1917	.1898	.1875	.1849	.1820	.1789	.1755
5	.1600	.1633	.1662	.1687	.1708	.1725	.1738	.1747	.1753	.1755
6	.1093	.1143	.1191	.1237	.1281	.1323	.1362	.1398	.1432	.1462
7	.0640	.0686	.0732	.0778	.0824	.0869	.0914	.0959	.1002	.1044
8	.0328	.0360	.0393	.0428	.0463	.0500	.0537	.0575	.0614	.0653
9	.0150	.0168	.0188	.0209	.0232	.0255	.0280	.0307	.0334	.0363
10	.0061	.0071	.0081	.0092	.0104	.0118	.0132	.0147	.0164	.0181
11	.0023	.0027	.0032	.0037	.0043	.0049	.0056	.0064	.0073	.0082
12	.0008	.0009	.0011	.0014	.0016	.0019	.0022	.0026	.0030	.0034
13	.0002	.0003	.0004	.0005	.0006	.0007	.0008	.0009	.0011	.0013
14	.0001	.0001	.0001	.0001	.0002	.0002	.0003	.0003	.0004	.0005
15	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0002

μ

z	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0
0	.0061	.0055	.0050	.0045	.0041	.0037	.0033	.0030	.0027	.0025
1	.0311	.0287	.0265	.0244	.0225	.0207	.0191	.0176	.0162	.0149
2	.0793	.0746	.0701	.0659	.0618	.0580	.0544	.0509	.0477	.0446
3	.1348	.1293	.1239	.1185	.1133	.1082	.1033	.0985	.0938	.0892
4	.1719	.1681	.1641	.1600	.1558	.1515	.1472	.1428	.1383	.1339

Table of $\chi^2_{\alpha; \nu}$ —the 100 α percentage point of the χ^2 distribution for ν degrees of freedom



ν	α	.995	.99	.975	.95	.90	.75	.50
1		.04393	.02157	.02982	.00393	.0158	.102	.455
2		.0100	.0201	.0506	.103	.211	.575	1.386
3		.0717	.115	.216	.352	.584	1.213	2.366
4		.207	.297	.484	.711	1.064	1.923	3.357
5		.412	.554	.831	1.145	1.610	2.675	4.351
6		.676	.872	1.237	1.635	2.204	3.455	5.348
7		.989	1.239	1.690	2.167	2.833	4.255	6.346
8		1.344	1.646	2.180	2.733	3.490	5.071	7.344
9		1.735	2.088	2.700	3.325	4.168	5.899	8.343
10		2.156	2.558	3.247	3.940	4.865	6.737	9.342
11		2.603	3.053	3.816	4.575	5.578	7.584	10.341
12		3.074	3.571	4.404	5.226	6.304	8.438	11.340
13		3.565	4.107	5.009	5.892	7.042	9.299	12.340
14		4.075	4.660	5.629	6.571	7.790	10.165	13.339
15		4.601	5.229	6.262	7.261	8.547	11.036	14.339
16		5.142	5.812	6.908	7.962	9.312	11.912	15.338
17		5.697	6.408	7.564	8.672	10.085	12.792	16.338
18		6.265	7.015	8.231	9.390	10.865	13.675	17.338
19		6.844	7.633	8.907	10.117	11.651	14.562	18.338
20		7.434	8.260	9.591	10.851	12.443	15.452	19.337
21		8.034	8.897	10.283	11.591	13.240	16.344	20.337
22		8.643	9.542	10.982	12.338	14.041	17.240	21.337
23		9.260	10.196	11.688	13.091	14.848	18.137	22.337
24		9.886	10.856	12.401	13.848	15.659	19.037	22.337
25		10.520	11.524	13.120	14.611	16.473	19.939	24.337
26		11.160	12.198	13.844	15.379	17.292	20.843	25.336
27		11.808	12.879	14.573	16.151	18.114	21.749	26.336
28		12.461	13.565	15.308	16.928	18.939	22.657	27.336
29		13.121	14.256	16.047	17.708	19.768	23.567	28.336
30		13.787	14.953	16.791	18.493	20.599	24.478	29.336
40		20.707	22.164	24.433	26.509	29.051	33.660	39.335
50		27.991	29.707	32.357	34.764	37.689	42.942	49.335
60		35.535	37.485	40.482	43.188	46.459	52.294	59.335
70		43.275	45.442	48.758	51.739	55.329	61.698	69.334
80		51.172	53.540	57.153	60.391	64.278	71.145	79.334
90		59.196	61.754	65.647	69.126	73.291	80.625	89.334
100		67.328	70.065	74.222	77.929	82.358	90.133	99.334
K_{α}		-2.576	-2.326	-1.960	-1.645	-1.282	-0.6745	0.000

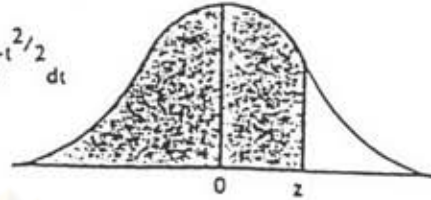
	.25	.10	.05	.025	.01	.005	.001	α	ν
1.323	2.706	3.841	5.024	6.635	7.879	10.828			1
2.773	4.605	5.991	7.378	9.210	10.597	13.816			2
4.108	6.251	7.815	9.348	11.345	12.838	16.266			3
5.385	7.779	9.488	11.143	13.277	14.860	18.467			4
6.626	9.236	11.070	12.832	15.086	16.750	20.515			5
7.841	10.645	12.592	14.449	16.812	18.548	22.458			6
9.037	12.017	14.067	16.013	18.475	20.278	24.322			7
10.219	13.362	15.507	17.535	20.090	21.955	26.125			8
11.389	14.684	16.919	19.023	21.666	23.589	27.877			9
12.549	15.987	18.307	20.483	23.209	25.188	29.588			10
13.701	17.275	19.675	21.920	24.725	26.757	31.264			11
14.845	18.549	21.026	23.337	26.217	28.300	32.909			12
15.984	19.812	22.362	24.736	27.688	29.819	34.528			13
17.117	21.064	23.685	26.119	29.141	31.319	36.123			14
18.245	22.307	24.996	27.488	30.578	32.801	37.697			15
19.369	23.542	26.296	28.845	32.000	34.267	39.252			16
20.489	24.769	27.587	30.191	33.409	35.718	40.790			17
21.605	25.989	28.869	31.526	34.805	37.156	43.312			18
22.718	27.204	30.144	32.852	36.191	38.582	43.820			19
23.828	28.412	31.410	34.170	37.566	39.997	45.315			20
24.935	29.615	32.671	35.479	38.932	41.401	46.797			21
26.039	30.813	33.924	36.781	40.289	42.796	48.268			22
27.141	32.007	35.172	38.076	41.638	44.181	49.728			23
28.241	33.196	36.415	39.364	42.980	45.558	51.179			24
29.339	34.382	37.652	40.646	44.314	46.928	52.620			25
30.434	35.563	38.885	41.923	45.642	48.290	54.052			26
31.528	36.741	40.113	43.194	46.963	49.645	55.476			27
32.620	37.916	41.337	44.461	48.278	50.993	56.892			28
33.711	39.087	42.557	45.722	49.588	52.336	58.302			29
34.800	40.256	43.773	46.979	50.892	53.672	59.703			30
45.616	51.805	55.758	59.342	63.691	66.766	73.402			40
56.334	63.167	67.505	71.420	76.154	79.490	86.661			50
66.981	74.397	79.082	83.298	88.379	91.952	99.607			60
77.577	85.527	90.531	95.023	100.425	104.215	112.317			70
88.130	96.578	101.879	106.629	112.329	116.321	124.839			80
98.650	107.565	113.145	118.136	124.116	128.299	137.208			90
109.141	118.498	124.342	129.561	135.807	140.169	149.449			100
+0.6745	+1.282	+1.645	+1.960	+2.326	+2.576	+3.090			K_{α}

For $\nu > 100$ take

$$x^2 = \nu \left\{ 1 + \frac{2}{9\nu} + K_{\alpha} \sqrt{\frac{2}{9\nu}} \right\}^2 \quad \text{or} \quad x^2 = \frac{1}{2} [K_{\alpha} + \sqrt{(2\nu - 1)}]^2,$$

according to the degree of accuracy required. K_{α} is the standardized normal deviate corresponding to α , and is shown in the bottom line of the table.

$$F(z) = \int_{-\infty}^z \frac{1}{\sqrt{2\pi}} e^{-t^2/2} dt$$



ตัวเลขในตารางเป็นค่าความน่าจะเป็นซึ่งเขียนแทนด้วยส่วนที่ระบายนไว้ในรูปข้างบนนี้

z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
0	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359
.1	.5398	.5438	.5478	.5517	.5557	.5596	.5636	.5675	.5714	.5753
.2	.5793	.5832	.5871	.5910	.5948	.5987	.6026	.6064	.6103	.6141
.3	.6179	.6217	.6255	.6293	.6331	.6368	.6406	.6443	.6480	.6517
.4	.6554	.6591	.6628	.6664	.6700	.6736	.6772	.6808	.6844	.6879
.5	.6915	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224
.6	.7257	.7291	.7324	.7357	.7389	.7422	.7454	.7486	.7517	.7549
.7	.7580	.7611	.7642	.7673	.7704	.7734	.7764	.7794	.7823	.7852
.8	.7881	.7910	.7939	.7967	.7995	.8023	.8051	.8078	.8106	.8133
.9	.8159	.8186	.8212	.8238	.8264	.8289	.8315	.8340	.8365	.8389
1.0	.8413	.8438	.8461	.8485	.8508	.8531	.8554	.8577	.8599	.8621
1.1	.8643	.8665	.8686	.8708	.8729	.8749	.8770	.8790	.8810	.8830
1.2	.8849	.8869	.8888	.8907	.8925	.8944	.8962	.8980	.8997	.9015
1.3	.9032	.9049	.9066	.9082	.9099	.9115	.9131	.9147	.9162	.9177
1.4	.9192	.9207	.9222	.9236	.9251	.9265	.9279	.9292	.9306	.9319
1.5	.9332	.9345	.9357	.9370	.9382	.9394	.9406	.9418	.9429	.9441
1.6	.9452	.9463	.9474	.9484	.9495	.9505	.9515	.9525	.9535	.9545
1.7	.9554	.9564	.9573	.9582	.9591	.9599	.9608	.9616	.9625	.9633
1.8	.9641	.9649	.9656	.9664	.9671	.9678	.9686	.9693	.9699	.9706
1.9	.9713	.9719	.9726	.9732	.9738	.9744	.9750	.9756	.9761	.9767
2.0	.9772	.9778	.9783	.9788	.9793	.9798	.9803	.9808	.9812	.9817
2.1	.9821	.9826	.9830	.9834	.9838	.9842	.9846	.9850	.9854	.9857
2.2	.9861	.9864	.9868	.9871	.9875	.9878	.9881	.9884	.9887	.9890
2.3	.9893	.9896	.9898	.9901	.9904	.9906	.9909	.9911	.9913	.9916
2.4	.9918	.9920	.9922	.9925	.9927	.9929	.9931	.9932	.9934	.9936
2.5	.9938	.9940	.9941	.9943	.9945	.9946	.9948	.9949	.9951	.9952
2.6	.9953	.9955	.9956	.9957	.9959	.9960	.9961	.9962	.9963	.9964
2.7	.9965	.9966	.9967	.9968	.9969	.9970	.9971	.9972	.9973	.9974
2.8	.9974	.9975	.9976	.9977	.9977	.9978	.9979	.9979	.9980	.9981
2.9	.9981	.9982	.9982	.9983	.9984	.9984	.9985	.9985	.9986	.9986
3.0	.9987	.9987	.9987	.9988	.9988	.9989	.9989	.9989	.9990	.9990
3.1	.9990	.9991	.9991	.9991	.9992	.9992	.9992	.9992	.9993	.9993
3.2	.9993	.9993	.9994	.9994	.9994	.9994	.9994	.9995	.9995	.9995
3.3	.9995	.9995	.9995	.9996	.9996	.9996	.9996	.9996	.9996	.9997
3.4	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9998
z	1.282	1.645	1.960	2.326	2.575	3.090	3.291	3.981	4.417	
F(z)	.90	.95	.975	.99	.995	.999	.9995	.99995	.999995	

Adopted by permission from A. M. Mood, INTRODUCTION TO THE THEORY OF STATISTICS, Table II, New York: McGraw-Hill Book Company, 1950.



ภาคผนวก ข.

โปรแกรม Microsoft Fox-Pro ของแบบจำลอง

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

*:Program: C_SERV.PRG

*:Data input: Sation,Amount Sample,Condition of Sample,Value of L,Value of AM,Value of S

*:File DBF: CAR_SERV.DBF

*:Output: Printer Dot Matrix

parameter v_case,v_samp,v_con,v_l,v_am,v_s

err_txt=""

if v_case <2 .or. v_case >5

err_txt= "Amount Station "

e_pos=25

endif

if v_con <0 .or. v_con >1

if len(err_txt)>0

err_txt=err_txt+"and Condition of Sample "

e_pos=13

else

err_txt="Condition of Sample "

e_pos=21

endif

endif



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

```
if len(err_txt)>0
    Clear
    @12,e_pos say err_txt+"not correct ..."
    wait""
    clear
    return
endif
set talk off
set stat off
set safety off
set escape off
use car_serv
zap
dimension v_ft(v_case),v_stw(v_case),v_ltw(v_case),v_lt(v_case),v_wt(v_case),;
    v_acc(v_case),v_srt(v_case,2)
store 0 to v_tar,v_lt,v_acc
clear
@ 12,30 say "Please wait while doing"
for i=1 to v_samp
```



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

```
for k=1 to v_case
    store 0 to v_ft(k),v_stw(k),v_ltw(k),v_wt(k)
next
do while .t.
    v_rn1=rand()
    v_arr=round((-1/v_l)*log(v_rn1),0)
    if v_con=1
        if v_arr >=6 .and. v_arr<=60
            exit
        else
            v_arr=0
        endif
    else
        exit
    endif
enddo
v_tar=v_tar+v_arr
v_rn2=0
v_a=0
```



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

```

do while .t.
  for j=1 to 12
    v_a=v_a+rand()
  next
  v_rm2=v_a-6
  v_ser=round(v_rm2*v_s+v_am,0)
  if v_con=1
    if v_ser>=15 .and. v_ser <=70
      exit
    else
      v_a=0
    endif
  else
    exit
  endif
enddo
l=1
do while .t.
  if l>v_case

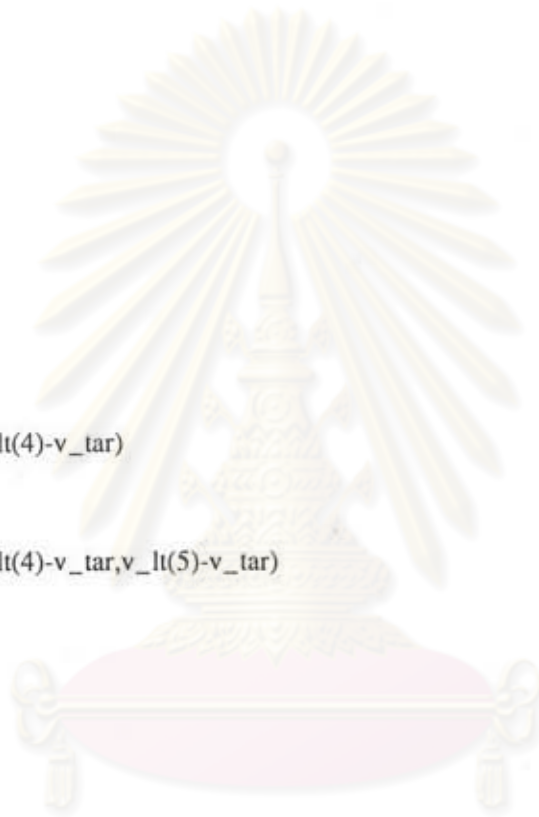
```



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

```

*:
    do case
        case v_case=2
v_wait=min(v_lt(1)-v_tar,v_lt(2)-v_tar)
        case v_case=3
v_wait=min(v_lt(1)-v_tar,v_lt(2)-v_tar,v_lt(3)-v_tar)
        case v_case=4
v_wait=min(v_lt(1)-v_tar,v_lt(2)-v_tar,v_lt(3)-v_tar,v_lt(4)-v_tar)
        case v_case=5
v_wait=min(v_lt(1)-v_tar,v_lt(2)-v_tar,v_lt(3)-v_tar,v_lt(4)-v_tar,v_lt(5)-v_tar)
    endcase
*:
    k=1
    do while k<v_case+1
        if v_lt(k)-v_tar=v_wait
            exit
        else
            k=k+1
        endif
    
```



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

```

enddo
v_wt(k)=v_wait
v_stw(k)=v_tar+v_wait
v_ltw(k)=v_tar+v_ser+v_wait
v_ft(k)=v_tar-v_lt(k)+v_wait
v_lt(k)=v_tar+v_ser+v_wait
v_acc(k)=v_acc(k)+1
exit
endif
for m=1 to v_case
    v_srt(m,1) =v_acc(m)
    v_srt(m,2) =m
next
for m=1 to v_case-1
    for n=m+1 to v_case
        if v_srt(m,1)>v_srt(n,1)
            v_tmp=v_srt(m,1)
            v_srt(m,1)=v_srt(n,1)
            v_srt(n,1)=v_tmp

```



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```

        v_tmp2=v_srt(m,2)
        v_srt(m,2)=v_srt(n,2)
        v_srt(n,2)=v_tmp2
    endif
next
next
m=1
do while .t.
    if v_tar>v_lt(v_srt(m,2))
        v_stw(v_srt(m,2))=v_tar
        v_ltw(v_srt(m,2))=v_tar+v_ser
        v_ft(v_srt(m,2)) =v_tar-v_lt(v_srt(m,2))
        v_lt(v_srt(m,2)) =v_tar+v_ser
        v_acc(v_srt(m,2))=v_acc(v_srt(m,2))+1
    exit
else
    m=m+1
    if m>v_case
        exit
    
```



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

```
endif
loop
endif
enddo
if m>v_case
l=m
else
exit
endif
enddo
appe blank
repl car_no with str(i,4)
repl rn_1 with str(v_rn1,5,2)
repl rn_2 with str(v_rn2,5,2)
repl c_arr with str(v_arr,2)
repl c_ser with str(v_ser,2)
repl c_tar with str(v_tar,5)
for k=1 to v_case
fld1="c_art"+str(k,1)
```



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย


```

    fld2="c_set"+str(k,1,0)
    fld3="c_it"+str(k,1,0)
    fld4="c_wt"+str(k,1,0)
    repl &fld1 with str(v_stw(k),5,0)
    repl &fld2 with str(v_ltw(k),5,0)
    repl &fld3 with str(v_ft(k),6,0)
    repl &fld4 with str(v_wt(k),6,0)
next
next
appe blank
for k=1 to v_case
    fld3="c_it"+str(k,1,0)
    fld4="c_wt"+str(k,1,0)
    sum val(&fld3) to v_ft(k)
    sum val(&fld4) to v_wt(k)
go bottom
    repl &fld3 with str(v_ft(k),6,0)
    repl &fld4 with str(v_wt(k),6,0)
next

```



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

```
*:Print report
count all to ck_rec
*:
*: Remark for last page only
*:
*go ck_rec-51
go top
clear
  ans_i=" "
do while ans_i#"Y" .and. ans_i#"N"
  if v_case=5 .or. v_case=4
    @ 12,17 say "Is print ready (With paper width > 9 inch)? " get ans_i pict "!"
  else
    @ 12,30 say "Is print ready to print? " get ans_i pict "!"
  endif
  read
  if ans_i#"Y"
    exit
  else
```



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย


```

clear
@12,20 say "Please input new paper and Enter when ready"
wait""
set print on
?chr(15)
endif
j=j+1
?
?space(35)+h1
?space(35)+h2
?space(35)+h3
i=3
endif
l1=B+car_no+B+rn_1+B+rn_2+B+" "+c_arr+B+" "+c_ser+B+c_tar+b+c_art1+B+c_art2+B+c_set1+B+;
c_set2+B+c_wt1+B+c_wt2+B+c_it1+B+c_it2+B
?space(35)+l1
i=i+1
skip
if recno(=ck_rec

```



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

```

    exit
endif
enddo
?space(35)+h3
l3="|----- T O T A L -----|"+;
    c_wt1+B+c_wt2+B+c_it1+B+c_it2+B
l4="|-----|-----|-----|-----|-----|"
?space(35)+l3
?space(35)+l4
case v_case=3
h1="|-----|-----ART-----|-----SET-----|-----WT-----|-----IT-----|"
h2="| No | RN1 | RN2 |ARR|SER| TAR |ART1 |ART2 |ART3 |SET1 |SET2 |SET3 | WT1 | WT2 | WT3 | IT1 | IT2 | IT3 |"
h3="|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|"
set print on
?chr(15)
i=0
j=0
do while .not. eof()
    if i=0 .or. i>57

```

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

```

if i>45
    eject
    set print off
    clear
    @12,20 say "Please input new paper and Enter when ready"
    wait""
    set print on
?chr(15)
endif
j=j+1
?
?space(25)+h1
?space(25)+h2
?space(25)+h3
i=3
endif
L1=B+car_no+B+rn_1+B+rn_2+B+" "+c_arr+B+" "+c_ser+B+c_tar+b+c_art1+B+c_art2+B+c_art3+;
    B+c_set1+B+c_set2+B+c_set3+B+c_wt1+B+c_wt2+B+c_wt3+B+c_it1+B+c_it2+B+c_it3+B
?space(25)+11

```



ศูนย์วิทยทรัพยากร

จุฬาลงกรณ์มหาวิทยาลัย


```
set print on
?chr(15)
i=0
j=0
do while .not. eof()
  if i=0 .or. i>37
    if i>34
      eject
      set print off
      clear
      @12,20 say "Please input new paper and Enter when ready"
      wait""
      set print on
      ?chr(15)
    endif
    j=j+1
  ?
  ?space(30)+h1
  ?space(30)+h2
```



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย


```

?space(30)+h3
i=3
endif
L1=B+car_no+B+rn_1+B+rn_2+B+" "+c_arr+B+" "+c_ser+B+c_tar+B+c_art1+B+c_art2+B+c_art3+B+c_art4+B+c_set1+B+
c_set2+B+c_set3+B+c_set4+B+c_wt1+B+c_wt2+B+c_wt3+B+c_wt4+B+c_it1+B+c_it2+B+c_it3+B+c_it4+B
?space(30)+l1
i=i+1
skip
if recno()=ck_rec
exit
endif
enddo
?space(30)+h3
l3="|----- T O T A L -----|"+;
c_wt1+B+c_wt2+B+c_wt3+B+c_wt4+B+c_it1+B+c_it2+B+c_it3+B+c_it4+B
l4="|-----|"+;
"-----|"+
?space(30)+l3
?space(30)+l4

```

```

case v_case=5
h1="|-----|-----ART-----|-----SET-----|"+;
"-----WT-----|-----IT-----|"
h2="| No | RN1 | RN2 |ARRISER| TAR |ART1 |ART2 |ART3 |ART4 |ART5 |SET1 |SET2 |SET3 |SET4 |SET5 |"+;
" WT1 | WT2 | WT3 | WT4 | WT5 | IT1 | IT2 | IT3 | IT4 | IT5 |"
h3="|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|"+;
"-----|-----|-----|-----|-----|-----|-----|-----|"
set print on
?chr(15)
i=0
j=0
do while .not. eof()
if i=0 .or. i>37
if i>34
eject
set print off
clear
@12,20 say "Please input new paper and Enter when ready"
wait""

```



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

```

    set print on
    ?chr(15)
endif
j=j+1
?
?space(20)+h1
?space(20)+h2
?space(20)+h3
i=3
endif
L1=B+car_no+B+rn_1+B+rn_2+B+" "+c_arr+B+" "+c_ser+B+c_tar+B+c_art1+B+c_art2+B+c_art3+B+c_art4+B+c_art5+B+;
    c_set1+B+c_set2+B+c_set3+B+c_set4+B+c_set5+B+c_wt1+B+c_wt2+B+c_wt3+B+c_wt4+B+c_wt5+B+c_it1+B+c_it2+B+;
    c_it3+B+c_it4+B+c_it5+B
?space(20)+l1
i=i+1
skip
if recno()=ck_rec
    exit
endif

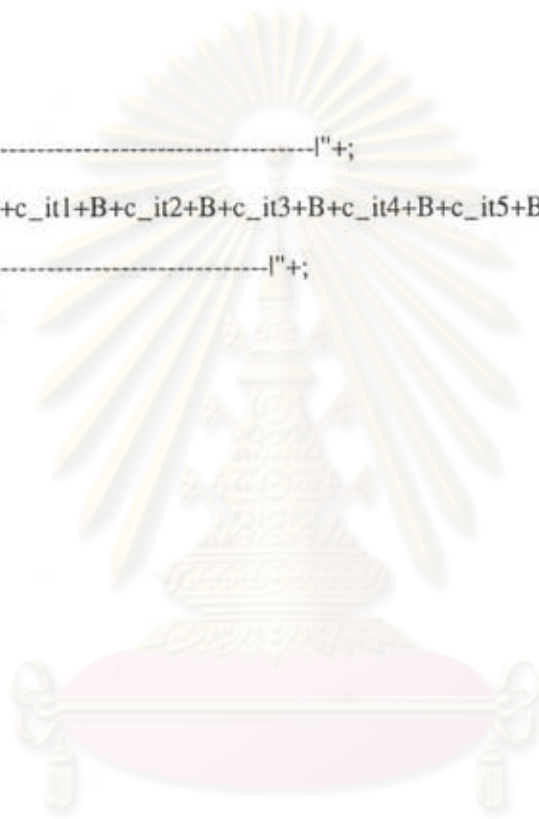
```

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

```

enddo
?space(20)+h3
l3="|----- T O T A L -----|" +;
    c_wt1+B+c_wt2+B+c_wt3+B+c_wt4+B+c_wt5+B+c_it1+B+c_it2+B+c_it3+B+c_it4+B+c_it5+B
l4="|-----|" +;
"-----|"
?space(20)+l3
?space(20)+l4
endcase
?chr(18)
eject
set print off
clear
use
return

```



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย



ภาคผนวก ก.

ผลลัพธ์การประมวลผลโปรแกรม Microsoft Fox-Pro ของแบบจำลอง

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

No	ARR:SER			ART			SET			WT			IT		
	RN1	RN2	TAR	ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
1	0.52	-0.27	10 39 10	10	0	0	49	0	0	0	0	0	10	0	0
2	0.39	1.36	14 58 24	0	24	0	0	82	0	0	0	0	0	24	0
3	0.36	0.33	16 46 40	0	0	40	0	0	86	0	0	0	0	0	40
4	0.14	0.56	30 49 70	70	0	0	119	0	0	0	0	0	21	0	0
5	0.08	0.17	39 44 109	0	109	0	0	153	0	0	0	0	0	27	0
6	0.17	-0.62	27 35 136	0	0	136	0	0	171	0	0	0	0	0	50
7	0.03	1.91	57 65 193	193	0	0	258	0	0	0	0	0	74	0	0
8	0.49	-0.96	11 31 204	0	204	0	0	235	0	0	0	0	0	51	0
9	0.32	-0.69	18 34 222	0	0	222	0	0	256	0	0	0	0	0	51
10	0.64	1.79	7 63 229	0	235	0	0	298	0	0	6	0	0	0	0
11	0.68	0.80	6 52 235	0	0	256	0	0	308	0	0	21	0	0	0
12	0.24	-1.83	22 21 257	258	0	0	279	0	0	1	0	0	0	0	0
13	0.41	-1.06	14 30 271	279	0	0	309	0	0	8	0	0	0	0	0
14	0.31	-1.29	18 27 289	0	298	0	0	325	0	0	9	0	0	0	0
15	0.19	-0.98	25 31 314	0	0	314	0	0	345	0	0	0	0	0	6
16	0.52	1.65	10 62 324	324	0	0	386	0	0	0	0	0	15	0	0
17	0.54	-0.02	10 42 334	0	334	0	0	376	0	0	0	0	0	9	0
18	0.43	-1.38	13 26 347	0	0	347	0	0	373	0	0	0	0	0	2
19	0.29	0.13	19 44 366	0	0	373	0	0	417	0	0	7	0	0	0
20	0.25	1.76	21 63 387	387	0	0	450	0	0	0	0	0	1	0	0
21	0.64	-1.69	7 22 394	0	394	0	0	416	0	0	0	0	0	18	0
22	0.34	-0.09	16 41 410	0	416	0	0	457	0	0	6	0	0	0	0
23	0.25	-0.31	21 39 431	0	0	431	0	0	470	0	0	0	0	0	14
24	0.28	-0.56	19 36 450	450	0	0	486	0	0	0	0	0	0	0	0
25	0.56	-0.99	9 31 459	0	459	0	0	490	0	0	0	0	0	2	0
26	0.06	-2.05	44 18 503	503	0	0	521	0	0	0	0	0	17	0	0
27	0.10	-0.21	35 40 538	0	0	538	0	0	578	0	0	0	0	0	68
28	0.43	1.12	13 55 551	551	0	0	606	0	0	0	0	0	30	0	0
29	0.30	0.91	19 53 570	0	570	0	0	623	0	0	0	0	0	80	0
30	0.59	-0.66	8 34 578	0	0	578	0	0	612	0	0	0	0	0	0
31	0.66	1.04	6 55 584	606	0	0	661	0	0	22	0	0	0	0	0
32	0.45	-0.92	12 31 596	0	0	612	0	0	643	0	0	16	0	0	0
33	0.33	-0.50	17 36 613	0	623	0	0	659	0	0	10	0	0	0	0
34	0.07	-0.06	41 42 654	0	0	654	0	0	696	0	0	0	0	0	11
35	0.20	-0.85	25 32 679	679	0	0	711	0	0	0	0	0	18	0	0
36	0.56	0.02	9 42 688	0	688	0	0	730	0	0	0	0	0	29	0
37	0.42	1.13	13 56 701	0	0	701	0	0	757	0	0	0	0	0	5
38	0.51	1.42	10 59 711	711	0	0	770	0	0	0	0	0	0	0	0
39	0.56	0.17	9 44 720	0	730	0	0	774	0	0	10	0	0	0	0
40	0.50	0.28	11 46 731	0	0	757	0	0	803	0	0	26	0	0	0
41	0.56	0.75	9 51 740	770	0	0	821	0	0	30	0	0	0	0	0
42	0.30	1.89	19 65 759	0	774	0	0	839	0	0	15	0	0	0	0
43	0.06	-1.43	43 25 802	0	0	803	0	0	828	0	0	1	0	0	0
44	0.44	-0.27	13 39 815	821	0	0	860	0	0	6	0	0	0	0	0
45	0.56	-0.08	9 41 824	0	0	828	0	0	869	0	0	4	0	0	0
46	0.52	-0.30	10 39 834	0	839	0	0	878	0	0	5	0	0	0	0
47	0.58	-0.61	8 35 842	860	0	0	895	0	0	18	0	0	0	0	0
48	0.03	0.62	55 50 897	0	897	0	0	947	0	0	0	0	0	19	0
49	0.17	0.04	28 43 925	925	0	0	968	0	0	0	0	0	30	0	0
50	0.27	0.52	20 48 945	0	0	945	0	0	993	0	0	0	0	0	76
51	0.40	1.33	14 58 959	0	959	0	0	1017	0	0	0	0	0	12	0
52	0.62	0.17	7 44 966	968	0	0	1012	0	0	2	0	0	0	0	0
53	0.13	1.37	31 58 997	0	0	997	0	0	1055	0	0	0	0	0	4
54	0.41	0.09	14 43 1011	1012	0	0	1055	0	0	1	0	0	0	0	0
55	0.45	-0.66	12 34 1023	0	1023	0	0	1057	0	0	0	0	0	6	0

No	ARR			ART			SET			WT			IT			
	RN1	RN2	SER	TAR	ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
56	0.42	-1.29	13	27	1036	1055	0	0	1082	0	0	19	0	0	0	0
57	0.66	1.17	6	56	1042	0	0	1055	0	0	1111	0	0	13	0	0
58	0.29	0.24	19	45	1061	0	1061	0	0	1106	0	0	0	0	4	0
59	0.62	-1.04	7	30	1068	1082	0	0	1112	0	0	14	0	0	0	0
60	0.41	-1.32	14	27	1082	0	1106	0	0	1133	0	0	24	0	0	0
61	0.29	1.48	19	60	1101	0	0	1111	0	0	1171	0	0	10	0	0
62	0.39	0.57	15	49	1116	1116	0	0	1165	0	0	0	0	4	0	0
63	0.24	-0.23	22	40	1138	0	1138	0	0	1178	0	0	0	0	5	0
64	0.38	1.53	15	60	1153	1165	0	0	1225	0	0	12	0	0	0	0
65	0.59	0.20	8	45	1161	0	0	1171	0	0	1216	0	0	10	0	0
66	0.35	1.19	16	56	1177	0	1178	0	0	1234	0	0	1	0	0	0
67	0.03	0.97	54	54	1231	0	0	1231	0	0	1285	0	0	0	0	15
68	0.13	1.17	31	56	1262	0	1262	0	0	1318	0	0	0	0	28	0
69	0.07	-0.09	40	41	1302	0	0	1302	0	0	1343	0	0	0	0	17
70	0.70	-0.33	6	38	1308	1308	0	0	1346	0	0	0	0	83	0	0
71	0.43	-0.43	13	37	1321	0	1321	0	0	1358	0	0	0	0	3	0
72	0.30	1.50	19	60	1340	0	0	1343	0	0	1403	0	0	3	0	0
73	0.42	-0.39	13	38	1353	1353	0	0	1391	0	0	0	0	7	0	0
74	0.18	1.68	26	62	1379	0	1379	0	0	1441	0	0	0	0	21	0
75	0.09	0.34	38	46	1417	0	0	1417	0	0	1463	0	0	0	0	14
76	0.58	-0.24	8	39	1425	1425	0	0	1464	0	0	0	0	34	0	0
77	0.38	-0.17	15	40	1440	0	1441	0	0	1481	0	0	1	0	0	0
78	0.07	0.58	41	49	1481	0	0	1481	0	0	1530	0	0	0	0	18
79	0.42	0.29	13	46	1494	1494	0	0	1540	0	0	0	0	30	0	0
80	0.68	1.10	6	55	1500	0	1500	0	0	1555	0	0	0	0	19	0
81	0.27	0.02	20	42	1520	0	0	1530	0	0	1572	0	0	10	0	0
82	0.04	0.59	51	49	1571	1571	0	0	1620	0	0	0	0	31	0	0
83	0.17	2.24	28	69	1599	0	1599	0	0	1668	0	0	0	0	44	0
84	0.69	0.20	6	45	1605	0	0	1605	0	0	1650	0	0	0	0	33
85	0.03	0.53	53	48	1658	1658	0	0	1706	0	0	0	0	38	0	0
86	0.33	-0.38	17	38	1675	0	1675	0	0	1713	0	0	0	0	7	0
87	0.47	1.98	12	66	1687	0	0	1687	0	0	1753	0	0	0	0	37
88	0.26	-0.08	21	41	1708	1708	0	0	1749	0	0	0	0	2	0	0
89	0.40	-0.09	14	41	1722	0	1722	0	0	1763	0	0	0	0	9	0
90	0.02	-0.11	57	41	1779	0	0	1779	0	0	1820	0	0	0	0	26
91	0.64	-1.26	7	27	1786	1786	0	0	1813	0	0	0	0	37	0	0
92	0.65	-0.73	7	34	1793	0	1793	0	0	1827	0	0	0	0	30	0
93	0.46	0.61	12	50	1805	1813	0	0	1863	0	0	8	0	0	0	0
94	0.13	0.87	31	53	1836	0	0	1836	0	0	1889	0	0	0	0	16
95	0.47	-0.67	12	34	1848	0	1848	0	0	1882	0	0	0	0	21	0
96	0.45	1.04	12	55	1860	1863	0	0	1918	0	0	3	0	0	0	0
97	0.64	1.32	7	58	1867	0	1882	0	0	1940	0	0	15	0	0	0
98	0.42	-0.08	13	41	1880	0	0	1889	0	0	1930	0	0	9	0	0
99	0.62	-0.16	7	40	1887	1918	0	0	1958	0	0	31	0	0	0	0
100	0.04	0.89	51	53	1938	0	0	1938	0	0	1991	0	0	0	0	8
101	0.33	-0.41	17	37	1955	0	1955	0	0	1992	0	0	0	0	15	0
102	0.53	0.03	10	43	1965	1965	0	0	2008	0	0	0	0	7	0	0
103	0.47	-0.74	12	34	1977	0	0	1991	0	0	2025	0	0	14	0	0
104	0.10	-2.12	36	17	2013	0	2013	0	0	2030	0	0	0	0	21	0
105	0.45	-0.15	12	40	2025	2025	0	0	2065	0	0	0	0	17	0	0
106	0.08	0.11	38	44	2063	0	0	2063	0	0	2107	0	0	0	0	38
107	0.18	0.45	26	48	2089	0	2089	0	0	2137	0	0	0	0	59	0
108	0.35	-1.43	16	25	2105	2105	0	0	2130	0	0	0	0	40	0	0
109	0.45	0.14	12	44	2117	0	0	2117	0	0	2161	0	0	0	0	10
110	0.18	0.39	26	47	2143	0	2143	0	0	2190	0	0	0	0	6	0

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT			
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3	
111	0.68	-0.27	6	39	2149	2149	0	0	2188	0	0	0	0	0	0	19	0	0
112	0.29	0.85	19	52	2168	0	0	2168	0	0	2220	0	0	0	0	0	0	7
113	0.60	-1.07	8	30	2176	2188	0	0	2218	0	0	12	0	0	0	0	0	0
114	0.61	0.61	7	49	2183	0	2190	0	0	2239	0	0	7	0	0	0	0	0
115	0.29	1.34	19	58	2202	2218	0	0	2276	0	0	16	0	0	0	0	0	0
116	0.39	0.19	14	45	2216	0	0	2220	0	0	2265	0	0	4	0	0	0	0
117	0.21	0.94	24	53	2240	0	2240	0	0	2293	0	0	0	0	0	0	1	0
118	0.53	-0.26	10	39	2250	0	0	2265	0	0	2304	0	0	15	0	0	0	0
119	0.16	-0.79	28	33	2278	2278	0	0	2311	0	0	0	0	0	0	2	0	0
120	0.50	-0.16	11	40	2289	0	2293	0	0	2333	0	0	4	0	0	0	0	0
121	0.51	-0.52	10	36	2299	0	0	2304	0	0	2340	0	0	5	0	0	0	0
122	0.05	-0.40	47	38	2346	0	2346	0	0	2384	0	0	0	0	0	0	13	0
123	0.06	1.21	42	56	2388	0	0	2388	0	0	2444	0	0	0	0	0	0	48
124	0.07	-0.63	40	35	2428	2428	0	0	2463	0	0	0	0	0	117	0	0	0
125	0.64	0.40	7	47	2435	0	2435	0	0	2482	0	0	0	0	0	0	51	0
126	0.66	-0.69	6	34	2441	0	0	2444	0	0	2478	0	0	3	0	0	0	0
127	0.66	-0.53	6	36	2447	2463	0	0	2499	0	0	16	0	0	0	0	0	0
128	0.61	-0.49	9	37	2455	0	0	2478	0	0	2515	0	0	23	0	0	0	0
129	0.61	-0.47	8	37	2463	0	2482	0	0	2519	0	0	19	0	0	0	0	0
130	0.63	1.49	7	60	2470	2499	0	0	2559	0	0	29	0	0	0	0	0	0
131	0.30	0.52	19	48	2489	0	0	2515	0	0	2563	0	0	26	0	0	0	0
132	0.49	0.03	11	43	2500	0	2519	0	0	2562	0	0	19	0	0	0	0	0
133	0.61	0.84	8	52	2508	2559	0	0	2611	0	0	51	0	0	0	0	0	0
134	0.55	-0.93	9	31	2517	0	2562	0	0	2593	0	0	45	0	0	0	0	0
135	0.13	1.09	31	55	2548	0	0	2563	0	0	2618	0	0	15	0	0	0	0
136	0.16	1.15	28	56	2576	0	2593	0	0	2649	0	0	17	0	0	0	0	0
137	0.32	-0.33	18	38	2594	2611	0	0	2649	0	0	17	0	0	0	0	0	0
138	0.11	1.06	34	55	2628	0	0	2628	0	0	2683	0	0	0	0	0	0	10
139	0.38	-1.66	15	23	2643	2649	0	0	2672	0	0	6	0	0	0	0	0	0
140	0.59	0.81	8	52	2651	0	2651	0	0	2703	0	0	0	0	0	0	2	0
141	0.04	-1.04	48	30	2699	0	0	2699	0	0	2729	0	0	0	0	0	0	16
142	0.34	1.12	17	55	2716	2716	0	0	2771	0	0	0	0	0	44	0	0	0
143	0.35	-1.31	16	27	2732	0	2732	0	0	2759	0	0	0	0	0	0	29	0
144	0.12	0.84	33	52	2765	0	0	2765	0	0	2817	0	0	0	0	0	0	36
145	0.69	-0.98	6	31	2771	0	2771	0	0	2802	0	0	0	0	0	0	12	0
146	0.54	1.32	9	58	2780	2780	0	0	2838	0	0	0	0	0	9	0	0	0
147	0.50	-0.85	11	32	2791	0	2802	0	0	2834	0	0	11	0	0	0	0	0
148	0.54	0.69	9	50	2800	0	0	2817	0	0	2867	0	0	17	0	0	0	0
149	0.13	-1.87	31	20	2831	0	2834	0	0	2854	0	0	3	0	0	0	0	0
150	0.62	0.79	7	52	2838	2838	0	0	2890	0	0	0	0	0	0	0	0	0
151	0.48	0.18	11	44	2849	0	2854	0	0	2898	0	0	5	0	0	0	0	0
152	0.62	-0.48	7	37	2856	0	0	2867	0	0	2904	0	0	11	0	0	0	0
153	0.39	-0.89	15	32	2871	2890	0	0	2922	0	0	19	0	0	0	0	0	0
154	0.38	0.86	15	52	2886	0	2898	0	0	2950	0	0	12	0	0	0	0	0
155	0.44	0.58	13	49	2899	0	0	2904	0	0	2953	0	0	5	0	0	0	0
156	0.65	-0.61	7	35	2906	2922	0	0	2957	0	0	16	0	0	0	0	0	0
157	0.17	0.48	27	48	2933	0	2950	0	0	2998	0	0	17	0	0	0	0	0
158	0.23	-2.31	23	15	2956	0	0	2956	0	0	2971	0	0	0	0	0	0	3
159	0.63	-1.20	7	28	2963	2963	0	0	2991	0	0	0	0	0	6	0	0	0
160	0.35	0.93	16	53	2979	0	0	2979	0	0	3032	0	0	0	0	0	0	8
161	0.04	0.46	50	48	3029	3029	0	0	3077	0	0	0	0	0	38	0	0	0
162	0.27	0.56	20	49	3049	0	0	3049	0	0	3098	0	0	0	0	0	0	17
163	0.53	0.31	10	46	3059	0	3059	0	0	3105	0	0	0	0	0	0	61	0
164	0.17	0.18	27	44	3086	3086	0	0	3130	0	0	0	0	0	9	0	0	0
165	0.50	0.56	11	49	3097	0	0	3098	0	0	3147	0	0	1	0	0	0	0

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT		
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
166	0.61	0.11	8	44	3105	0	3105	0	0	3149	0	0	0	0	0	0	0
167	0.37	-1.39	15	26	3120	3130	0	0	3156	0	0	10	0	0	0	0	0
168	0.34	-1.19	17	28	3137	0	0	3147	0	0	3175	0	0	10	0	0	0
169	0.49	0.25	11	45	3148	0	3149	0	0	3194	0	0	1	0	0	0	0
170	0.27	1.75	20	63	3168	3168	0	0	3231	0	0	0	0	0	12	0	0
171	0.67	0.63	6	50	3174	0	0	3175	0	0	3225	0	0	1	0	0	0
172	0.20	0.25	24	45	3198	0	3198	0	0	3243	0	0	0	0	0	4	0
173	0.31	1.74	18	63	3216	0	0	3225	0	0	3288	0	0	9	0	0	0
174	0.21	-1.89	24	20	3240	3240	0	0	3260	0	0	0	0	0	9	0	0
175	0.17	-0.07	27	41	3267	3267	0	0	3308	0	0	0	0	0	7	0	0
176	0.45	-0.80	12	33	3279	0	3279	0	0	3312	0	0	0	0	0	36	0
177	0.23	0.10	22	43	3301	0	0	3301	0	0	3344	0	0	0	0	0	13
178	0.67	0.48	6	48	3307	3308	0	0	3356	0	0	1	0	0	0	0	0
179	0.48	1.56	11	61	3318	0	3318	0	0	3379	0	0	0	0	0	6	0
180	0.27	0.35	20	46	3338	0	0	3344	0	0	3390	0	0	6	0	0	0
181	0.51	0.82	10	52	3348	3356	0	0	3408	0	0	8	0	0	0	0	0
182	0.68	-0.22	6	40	3354	0	3379	0	0	3419	0	0	25	0	0	0	0
183	0.16	-0.72	28	34	3382	0	0	3390	0	0	3424	0	0	8	0	0	0
184	0.30	1.08	18	55	3400	3408	0	0	3463	0	0	8	0	0	0	0	0
185	0.36	-1.58	16	24	3416	0	3419	0	0	3443	0	0	3	0	0	0	0
186	0.53	0.29	10	46	3426	0	0	3426	0	0	3472	0	0	0	0	0	2
187	0.65	-0.42	7	37	3433	0	3443	0	0	3480	0	0	10	0	0	0	0
188	0.20	0.14	25	44	3458	3463	0	0	3507	0	0	5	0	0	0	0	0
189	0.33	0.29	17	46	3475	0	0	3475	0	0	3521	0	0	0	0	0	3
190	0.31	-0.23	18	40	3493	0	3493	0	0	3533	0	0	0	0	0	13	0
191	0.09	0.63	37	50	3530	3530	0	0	3580	0	0	0	0	0	23	0	0
192	0.33	0.04	17	43	3547	0	0	3547	0	0	3590	0	0	0	0	0	26
193	0.02	0.97	58	54	3605	3605	0	0	3659	0	0	0	0	0	25	0	0
194	0.64	-0.70	7	34	3612	0	3612	0	0	3646	0	0	0	0	0	79	0
195	0.36	0.23	16	45	3628	0	0	3628	0	0	3673	0	0	0	0	0	38
196	0.46	0.70	12	51	3640	0	3646	0	0	3697	0	0	6	0	0	0	0
197	0.07	0.57	41	49	3681	3681	0	0	3730	0	0	0	0	0	22	0	0
198	0.11	-0.61	33	35	3714	0	0	3714	0	0	3749	0	0	0	0	0	41
199	0.15	0.12	29	44	3743	3743	0	0	3787	0	0	0	0	0	13	0	0
200	0.34	-0.02	17	42	3760	0	3760	0	0	3802	0	0	0	0	0	63	0
201	0.46	0.28	12	46	3772	0	0	3772	0	0	3818	0	0	0	0	0	23
202	0.35	0.05	16	43	3788	3788	0	0	3831	0	0	0	0	0	1	0	0
203	0.07	-2.34	40	15	3828	0	3828	0	0	3843	0	0	0	0	0	26	0
204	0.11	1.27	33	57	3861	0	0	3861	0	0	3918	0	0	0	0	0	43
205	0.34	0.52	17	48	3878	3878	0	0	3926	0	0	0	0	0	47	0	0
206	0.44	-0.67	13	34	3891	0	3891	0	0	3925	0	0	0	0	0	48	0
207	0.30	0.23	18	45	3909	0	0	3918	0	0	3963	0	0	9	0	0	0
208	0.17	0.16	27	44	3936	3936	0	0	3980	0	0	0	0	0	10	0	0
209	0.03	0.21	53	45	3989	0	3989	0	0	4034	0	0	0	0	0	64	0
210	0.28	1.15	19	56	4008	0	0	4008	0	0	4064	0	0	0	0	0	45
211	0.53	1.16	10	56	4018	4018	0	0	4074	0	0	0	0	0	38	0	0
212	0.57	-0.21	9	40	4027	0	4034	0	0	4074	0	0	7	0	0	0	0
213	0.35	-0.85	16	32	4043	0	0	4064	0	0	4096	0	0	21	0	0	0
214	0.14	-0.83	30	32	4073	4074	0	0	4106	0	0	1	0	0	0	0	0
215	0.14	1.95	31	65	4104	0	4104	0	0	4169	0	0	0	0	0	30	0
216	0.05	0.39	45	47	4149	0	0	4149	0	0	4196	0	0	0	0	0	53
217	0.21	0.67	24	50	4173	4173	0	0	4223	0	0	0	0	0	67	0	0
218	0.57	-0.89	9	32	4182	0	4182	0	0	4214	0	0	0	0	0	13	0
219	0.17	1.60	27	61	4209	0	0	4209	0	0	4270	0	0	0	0	0	13
220	0.56	0.34	9	46	4218	0	4218	0	0	4264	0	0	0	0	0	4	0

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT		
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
221	0.29	-0.37	19	38	4237	4237	0	0	4275	0	0	0	0	0	14	0	0
222	0.19	-1.42	25	26	4262	0	4264	0	0	4290	0	0	2	0	0	0	0
223	0.11	0.73	35	51	4297	0	0	4297	0	0	4348	0	0	0	0	0	27
224	0.18	2.25	26	69	4323	4323	0	0	4392	0	0	0	0	0	48	0	0
225	0.39	0.69	14	50	4337	0	4337	0	0	4387	0	0	0	0	0	47	0
226	0.03	-1.17	55	28	4392	0	0	4392	0	0	4420	0	0	0	0	0	44
227	0.27	-0.38	20	38	4412	4412	0	0	4450	0	0	0	0	0	20	0	0
228	0.02	1.15	60	56	4472	0	0	4472	0	0	4528	0	0	0	0	0	52
229	0.66	1.35	6	58	4478	4478	0	0	4536	0	0	0	0	0	28	0	0
230	0.27	-0.27	20	39	4498	0	4498	0	0	4537	0	0	0	0	0	0	0
231	0.16	-0.04	28	42	4526	0	0	4528	0	0	4570	0	0	2	0	0	0
232	0.30	0.19	19	44	4545	4545	0	0	4589	0	0	0	0	0	9	0	0
233	0.30	1.06	18	55	4563	0	4563	0	0	4618	0	0	0	0	0	26	0
234	0.49	-0.68	11	34	4574	0	0	4574	0	0	4608	0	0	0	0	0	4
235	0.04	-1.23	49	28	4623	4623	0	0	4651	0	0	0	0	0	34	0	0
236	0.32	2.19	18	68	4641	0	4641	0	0	4709	0	0	0	0	0	23	0
237	0.20	-0.20	25	40	4666	0	0	4666	0	0	4706	0	0	0	0	0	58
238	0.61	-1.09	8	29	4674	4674	0	0	4703	0	0	0	0	0	23	0	0
239	0.53	0.53	10	49	4684	4703	0	0	4752	0	0	19	0	0	0	0	0
240	0.16	0.84	28	52	4712	0	4712	0	0	4764	0	0	0	0	0	3	0
241	0.62	-0.51	7	36	4719	0	0	4719	0	0	4755	0	0	0	0	0	13
242	0.12	-0.66	32	34	4751	4752	0	0	4786	0	0	1	0	0	0	0	0
243	0.67	-0.66	6	35	4757	0	0	4757	0	0	4792	0	0	0	0	0	2
244	0.22	0.45	24	48	4781	0	4781	0	0	4829	0	0	0	0	0	17	0
245	0.32	2.05	17	66	4798	0	0	4798	0	0	4864	0	0	0	0	0	6
246	0.61	0.45	8	48	4806	4806	0	0	4854	0	0	0	0	0	20	0	0
247	0.16	0.22	29	45	4835	0	4835	0	0	4880	0	0	0	0	0	6	0
248	0.56	-0.13	9	41	4844	4854	0	0	4895	0	0	10	0	0	0	0	0
249	0.40	-0.69	14	34	4858	0	0	4864	0	0	4898	0	0	6	0	0	0
250	0.08	-0.17	39	40	4897	0	4897	0	0	4937	0	0	0	0	0	17	0
251	0.64	1.03	7	54	4904	0	0	4904	0	0	4958	0	0	0	0	0	6
252	0.32	-0.16	17	40	4921	4921	0	0	4961	0	0	0	0	0	26	0	0
253	0.45	1.84	12	64	4933	0	4937	0	0	5001	0	0	4	0	0	0	0
254	0.07	-1.36	41	26	4974	0	0	4974	0	0	5000	0	0	0	0	0	16
255	0.03	1.20	52	56	5026	0	5026	0	0	5082	0	0	0	0	0	25	0
256	0.57	1.12	9	55	5035	5035	0	0	5090	0	0	0	0	0	74	0	0
257	0.28	1.25	20	57	5055	0	0	5055	0	0	5112	0	0	0	0	0	55
258	0.21	-0.75	24	33	5079	0	5082	0	0	5115	0	0	3	0	0	0	0
259	0.14	-0.38	31	38	5110	5110	0	0	5148	0	0	0	0	0	20	0	0
260	0.51	0.25	10	45	5120	0	5120	0	0	5165	0	0	0	0	0	5	0
261	0.63	-0.70	7	34	5127	0	0	5127	0	0	5161	0	0	0	0	0	15
262	0.55	0.26	9	45	5136	5148	0	0	5193	0	0	12	0	0	0	0	0
263	0.23	0.36	22	47	5158	0	0	5161	0	0	5208	0	0	3	0	0	0
264	0.33	-0.22	17	40	5175	0	5175	0	0	5215	0	0	0	0	0	10	0
265	0.67	-0.03	6	42	5181	5193	0	0	5235	0	0	12	0	0	0	0	0
266	0.22	-1.25	23	28	5204	0	0	5208	0	0	5236	0	0	4	0	0	0
267	0.40	-1.13	14	29	5218	0	5218	0	0	5247	0	0	0	0	0	3	0
268	0.25	1.56	22	61	5240	5240	0	0	5301	0	0	0	0	0	5	0	0
269	0.61	-0.66	8	35	5248	0	5248	0	0	5283	0	0	0	0	0	1	0
270	0.41	-0.17	14	40	5262	0	0	5262	0	0	5302	0	0	0	0	0	26
271	0.40	1.68	14	62	5276	0	5283	0	0	5345	0	0	7	0	0	0	0
272	0.12	0.72	32	51	5308	5308	0	0	5359	0	0	0	0	0	7	0	0
273	0.67	1.35	6	58	5314	0	0	5314	0	0	5372	0	0	0	0	0	12
274	0.47	0.32	12	46	5326	0	5345	0	0	5391	0	0	19	0	0	0	0
275	0.41	0.27	14	45	5340	5359	0	0	5404	0	0	19	0	0	0	0	0

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT		
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
276	0.11	-0.83	34	32	5374	0	0	5374	0	0	5406	0	0	0	0	0	2
277	0.24	-0.98	22	31	5396	0	5396	0	0	5427	0	0	0	0	0	5	0
278	0.10	-0.09	35	41	5431	5431	0	0	5472	0	0	0	0	0	27	0	0
279	0.69	0.36	6	47	5437	0	0	5437	0	0	5484	0	0	0	0	0	31
280	0.14	1.03	31	54	5468	0	5468	0	0	5522	0	0	0	0	0	41	0
281	0.27	0.04	20	43	5488	5488	0	0	5531	0	0	0	0	0	16	0	0
282	0.21	-0.82	24	33	5512	0	0	5512	0	0	5545	0	0	0	0	0	28
283	0.18	2.38	26	70	5538	5538	0	0	5608	0	0	0	0	0	7	0	0
284	0.21	-0.12	24	41	5562	0	5562	0	0	5603	0	0	0	0	0	40	0
285	0.07	0.35	40	46	5602	0	0	5602	0	0	5648	0	0	0	0	0	57
286	0.32	0.04	18	43	5620	5620	0	0	5663	0	0	0	0	0	12	0	0
287	0.21	0.50	24	48	5644	0	5644	0	0	5692	0	0	0	0	0	41	0
288	0.68	0.60	6	49	5650	0	0	5650	0	0	5699	0	0	0	0	0	2
289	0.24	-1.42	22	26	5672	5672	0	0	5698	0	0	0	0	0	9	0	0
290	0.19	1.21	25	56	5697	0	5697	0	0	5753	0	0	0	0	0	5	0
291	0.54	1.47	9	60	5706	0	0	5706	0	0	5766	0	0	0	0	0	7
292	0.26	1.29	20	57	5726	5726	0	0	5783	0	0	0	0	0	28	0	0
293	0.39	0.43	15	47	5741	0	5753	0	0	5800	0	0	12	0	0	0	0
294	0.61	0.30	8	46	5749	0	0	5766	0	0	5812	0	0	17	0	0	0
295	0.24	1.28	22	57	5771	5783	0	0	5840	0	0	12	0	0	0	0	0
296	0.28	1.00	19	54	5790	0	5800	0	0	5854	0	0	10	0	0	0	0
297	0.10	-0.06	36	42	5826	0	0	5826	0	0	5868	0	0	0	0	0	14
298	0.32	-1.22	18	28	5844	5844	0	0	5872	0	0	0	0	0	4	0	0
299	0.64	-0.83	7	32	5851	0	5854	0	0	5886	0	0	3	0	0	0	0
300	0.63	-0.22	7	40	5858	0	0	5868	0	0	5908	0	0	10	0	0	0
301	0.16	0.76	28	51	5886	5886	0	0	5937	0	0	0	0	0	14	0	0
302	0.14	-0.77	31	33	5917	0	5917	0	0	5950	0	0	0	0	0	31	0
303	0.32	-0.73	17	34	5934	0	0	5934	0	0	5968	0	0	0	0	0	26
304	0.42	0.50	14	48	5948	5948	0	0	5996	0	0	0	0	0	11	0	0
305	0.03	-1.43	53	25	6001	0	6001	0	0	6026	0	0	0	0	0	51	0
306	0.07	-1.22	41	28	6042	0	0	6042	0	0	6070	0	0	0	0	0	74
307	0.54	1.52	9	60	6051	6051	0	0	6111	0	0	0	0	0	55	0	0
308	0.59	-2.23	8	16	6059	0	6059	0	0	6075	0	0	0	0	0	33	0
309	0.08	0.72	40	51	6099	0	0	6099	0	0	6150	0	0	0	0	0	29
310	0.39	1.76	14	63	6113	6113	0	0	6176	0	0	0	0	0	2	0	0
311	0.70	1.56	6	61	6119	0	6119	0	0	6180	0	0	0	0	0	44	0
312	0.63	-0.59	7	35	6126	0	0	6150	0	0	6185	0	0	24	0	0	0
313	0.62	0.25	7	45	6133	6176	0	0	6221	0	0	43	0	0	0	0	0
314	0.15	-1.50	29	25	6162	0	6180	0	0	6205	0	0	18	0	0	0	0
315	0.52	-2.28	10	15	6172	0	0	6185	0	0	6200	0	0	13	0	0	0
316	0.41	-0.79	14	33	6186	0	0	6200	0	0	6233	0	0	14	0	0	0
317	0.39	0.99	15	54	6201	0	6205	0	0	6259	0	0	4	0	0	0	0
318	0.60	0.36	8	46	6209	6221	0	0	6267	0	0	12	0	0	0	0	0
319	0.59	0.29	8	46	6217	0	0	6233	0	0	6279	0	0	16	0	0	0
320	0.11	-1.48	34	25	6251	0	6259	0	0	6284	0	0	8	0	0	0	0
321	0.27	0.08	20	43	6271	6271	0	0	6314	0	0	0	0	0	4	0	0
322	0.57	0.98	9	54	6280	0	0	6280	0	0	6334	0	0	0	0	0	1
323	0.59	-0.15	8	41	6288	0	6288	0	0	6329	0	0	0	0	0	4	0
324	0.63	0.54	7	49	6295	6314	0	0	6363	0	0	19	0	0	0	0	0
325	0.37	-0.57	15	36	6310	0	6329	0	0	6365	0	0	19	0	0	0	0
326	0.64	-0.84	7	32	6317	0	0	6334	0	0	6366	0	0	17	0	0	0
327	0.54	-1.54	10	24	6327	6363	0	0	6387	0	0	36	0	0	0	0	0
328	0.55	-0.51	9	36	6336	0	6365	0	0	6401	0	0	29	0	0	0	0
329	0.69	1.38	6	59	6342	0	0	6366	0	0	6425	0	0	24	0	0	0
330	0.24	1.40	22	59	6364	6387	0	0	6446	0	0	23	0	0	0	0	0

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT		
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
331	0.51	1.07	10	55	6374	0	6401	0	0	6456	0	0	27	0	0	0	0
332	0.35	1.99	16	66	6390	0	0	6425	0	0	6491	0	0	35	0	0	0
333	0.07	1.27	42	57	6432	6446	0	0	6503	0	0	14	0	0	0	0	0
334	0.51	-0.71	10	34	6442	0	6456	0	0	6490	0	0	14	0	0	0	0
335	0.16	0.76	28	51	6470	0	6490	0	0	6541	0	0	20	0	0	0	0
336	0.49	-1.36	11	26	6481	0	0	6491	0	0	6517	0	0	10	0	0	0
337	0.28	-0.23	20	39	6501	6503	0	0	6542	0	0	2	0	0	0	0	0
338	0.52	-1.29	10	27	6511	0	0	6517	0	0	6544	0	0	6	0	0	0
339	0.05	1.20	47	56	6558	6558	0	0	6614	0	0	0	0	0	16	0	0
340	0.30	1.29	19	58	6577	0	6577	0	0	6635	0	0	0	0	0	0	36
341	0.41	-0.26	14	39	6591	0	0	6591	0	0	6630	0	0	0	0	0	47
342	0.32	-0.03	18	42	6609	6614	0	0	6656	0	0	5	0	0	0	0	0
343	0.17	1.35	27	58	6636	0	6636	0	0	6694	0	0	0	0	0	1	0
344	0.23	0.61	22	50	6658	6658	0	0	6708	0	0	0	0	0	2	0	0
345	0.15	0.11	29	44	6687	0	0	6687	0	0	6731	0	0	0	0	0	57
346	0.53	0.21	10	45	6697	0	6697	0	0	6742	0	0	0	0	0	3	0
347	0.38	0.93	15	53	6712	6712	0	0	6765	0	0	0	0	0	4	0	0
348	0.54	1.47	10	60	6722	0	0	6731	0	0	6791	0	0	9	0	0	0
349	0.57	1.45	9	59	6731	0	6742	0	0	6801	0	0	11	0	0	0	0
350	0.42	-1.32	13	27	6744	6765	0	0	6792	0	0	21	0	0	0	0	0
351	0.48	0.15	11	44	6755	0	0	6791	0	0	6835	0	0	36	0	0	0
352	0.37	-0.39	15	38	6770	6792	0	0	6830	0	0	22	0	0	0	0	0
353	0.64	-1.05	7	30	6777	0	6801	0	0	6831	0	0	24	0	0	0	0
354	0.03	1.22	55	57	6832	0	6832	0	0	6889	0	0	0	0	0	1	0
355	0.05	-0.47	45	37	6877	0	0	6877	0	0	6914	0	0	0	0	0	42
356	0.28	0.97	20	54	6897	6897	0	0	6951	0	0	0	0	0	67	0	0
357	0.22	-0.77	23	33	6920	0	0	6920	0	0	6953	0	0	0	0	0	6
358	0.59	-0.84	8	32	6928	0	6928	0	0	6960	0	0	0	0	0	39	0
359	0.15	1.51	29	60	6957	6957	0	0	7017	0	0	0	0	0	6	0	0
360	0.60	0.33	8	46	6965	0	0	6965	0	0	7011	0	0	0	0	0	12
361	0.17	1.04	28	55	6993	0	6993	0	0	7048	0	0	0	0	0	33	0
362	0.19	-0.97	26	31	7019	7019	0	0	7050	0	0	0	0	0	2	0	0
363	0.12	1.25	32	57	7051	0	0	7051	0	0	7108	0	0	0	0	0	40
364	0.30	0.97	19	54	7070	7070	0	0	7124	0	0	0	0	0	20	0	0
365	0.26	-0.26	21	39	7091	0	7091	0	0	7130	0	0	0	0	0	43	0
366	0.58	-1.35	8	26	7099	0	0	7108	0	0	7134	0	0	9	0	0	0
367	0.33	2.07	17	67	7116	7124	0	0	7191	0	0	8	0	0	0	0	0
368	0.44	-1.21	13	28	7129	0	7130	0	0	7158	0	0	1	0	0	0	0
369	0.40	0.70	14	51	7143	0	0	7143	0	0	7194	0	0	0	0	0	9
370	0.23	1.70	22	62	7165	0	7165	0	0	7227	0	0	0	0	0	7	0
371	0.52	0.83	10	52	7175	7191	0	0	7243	0	0	16	0	0	0	0	0
372	0.06	-1.60	44	23	7219	0	0	7219	0	0	7242	0	0	0	0	0	25
373	0.26	0.86	21	52	7240	0	7240	0	0	7292	0	0	0	0	0	13	0
374	0.44	-0.06	13	41	7253	7253	0	0	7294	0	0	0	0	0	10	0	0
375	0.16	-0.59	29	35	7282	0	0	7282	0	0	7317	0	0	0	0	0	40
376	0.60	0.02	8	43	7290	0	7292	0	0	7335	0	0	2	0	0	0	0
377	0.15	0.59	29	49	7319	7319	0	0	7368	0	0	0	0	0	25	0	0
378	0.63	-0.32	7	38	7326	0	0	7326	0	0	7364	0	0	0	0	0	9
379	0.05	-0.75	45	33	7371	7371	0	0	7404	0	0	0	0	0	3	0	0
380	0.16	0.97	29	54	7400	0	7400	0	0	7454	0	0	0	0	0	65	0
381	0.56	-0.05	9	42	7409	0	0	7409	0	0	7451	0	0	0	0	0	45
382	0.04	-0.05	50	42	7459	7459	0	0	7501	0	0	0	0	0	55	0	0
383	0.51	1.41	10	59	7469	0	7469	0	0	7528	0	0	0	0	0	15	0
384	0.15	-0.39	29	38	7498	0	0	7498	0	0	7536	0	0	0	0	0	47
385	0.67	-0.67	6	34	7504	7504	0	0	7538	0	0	0	0	0	3	0	0

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT			
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3	
386	0.70	-0.94	6	31	7510	0	7528	0	0	7559	0	0	18	0	0	0	0	0
387	0.30	-0.92	18	31	7528	0	0	7536	0	0	7567	0	0	8	0	0	0	0
388	0.46	-0.19	12	40	7540	7540	0	0	7580	0	0	0	0	0	2	0	0	0
389	0.12	0.32	33	46	7573	0	7573	0	0	7619	0	0	0	0	0	14	0	0
390	0.39	0.36	15	47	7588	0	0	7588	0	0	7635	0	0	0	0	0	0	21
391	0.17	-0.42	27	37	7615	7615	0	0	7652	0	0	0	0	0	35	0	0	0
392	0.30	-0.69	19	34	7634	0	7634	0	0	7668	0	0	0	0	0	15	0	0
393	0.23	0.07	23	43	7657	0	0	7657	0	0	7700	0	0	0	0	0	0	22
394	0.18	0.55	26	49	7683	7683	0	0	7732	0	0	0	0	0	31	0	0	0
395	0.54	0.09	9	43	7692	0	7692	0	0	7735	0	0	0	0	0	24	0	0
396	0.43	0.59	13	49	7705	0	0	7705	0	0	7754	0	0	0	0	0	0	5
397	0.60	0.32	8	46	7713	7732	0	0	7778	0	0	19	0	0	0	0	0	0
398	0.67	0.18	6	44	7719	0	7735	0	0	7779	0	0	16	0	0	0	0	0
399	0.28	0.43	20	47	7739	0	0	7754	0	0	7801	0	0	15	0	0	0	0
400	0.26	0.89	21	53	7760	7778	0	0	7831	0	0	18	0	0	0	0	0	0
401	0.53	1.44	10	59	7770	0	7779	0	0	7838	0	0	9	0	0	0	0	0
402	0.61	0.96	8	54	7778	0	0	7801	0	0	7855	0	0	23	0	0	0	0
403	0.66	-2.33	6	15	7784	7831	0	0	7846	0	0	47	0	0	0	0	0	0
404	0.12	-0.81	32	33	7816	0	7838	0	0	7871	0	0	22	0	0	0	0	0
405	0.19	0.66	26	50	7842	7846	0	0	7896	0	0	4	0	0	0	0	0	0
406	0.45	-0.24	12	39	7854	0	0	7855	0	0	7894	0	0	1	0	0	0	0
407	0.59	0.80	8	52	7862	0	7871	0	0	7923	0	0	9	0	0	0	0	0
408	0.43	0.47	13	48	7875	0	0	7894	0	0	7942	0	0	19	0	0	0	0
409	0.32	-0.96	18	31	7893	7896	0	0	7927	0	0	3	0	0	0	0	0	0
410	0.52	-0.45	10	37	7903	0	7923	0	0	7960	0	0	20	0	0	0	0	0
411	0.36	1.62	16	61	7919	7927	0	0	7988	0	0	8	0	0	0	0	0	0
412	0.14	-0.10	31	41	7950	0	0	7950	0	0	7991	0	0	0	0	0	0	8
413	0.13	-1.23	32	28	7982	0	7982	0	0	8010	0	0	0	0	0	22	0	0
414	0.38	0.30	15	46	7997	0	0	7997	0	0	8043	0	0	0	0	0	0	6
415	0.70	-0.14	6	41	8003	8003	0	0	8044	0	0	0	0	0	15	0	0	0
416	0.17	-2.01	27	19	8030	0	8030	0	0	8049	0	0	0	0	0	20	0	0
417	0.10	1.25	36	57	8066	0	0	8066	0	0	8123	0	0	0	0	0	0	23
418	0.11	0.63	34	50	8100	8100	0	0	8150	0	0	0	0	0	56	0	0	0
419	0.33	0.05	17	43	8117	0	8117	0	0	8160	0	0	0	0	0	68	0	0
420	0.67	-1.07	6	30	8123	0	0	8123	0	0	8153	0	0	0	0	0	0	0
421	0.68	-1.71	6	22	8129	8150	0	0	8172	0	0	21	0	0	0	0	0	0
422	0.48	-0.08	11	41	8140	0	0	8153	0	0	8194	0	0	13	0	0	0	0
423	0.18	-0.33	27	38	8167	0	8167	0	0	8205	0	0	0	0	0	7	0	0
424	0.67	-0.02	6	42	8173	8173	0	0	8215	0	0	0	0	0	1	0	0	0
425	0.12	0.46	33	48	8206	0	8206	0	0	8254	0	0	0	0	0	1	0	0
426	0.43	1.43	13	59	8219	0	0	8219	0	0	8278	0	0	0	0	0	0	25
427	0.55	1.64	9	62	8228	8228	0	0	8290	0	0	0	0	0	13	0	0	0
428	0.59	1.51	8	60	8236	0	8254	0	0	8314	0	0	18	0	0	0	0	0
429	0.64	-0.21	7	40	8243	0	0	8278	0	0	8318	0	0	35	0	0	0	0
430	0.11	-0.87	34	32	8277	8290	0	0	8322	0	0	13	0	0	0	0	0	0
431	0.05	0.45	46	48	8323	0	8323	0	0	8371	0	0	0	0	0	9	0	0
432	0.53	0.02	10	43	8333	0	0	8333	0	0	8376	0	0	0	0	0	0	15
433	0.48	0.76	11	51	8344	8344	0	0	8395	0	0	0	0	0	22	0	0	0
434	0.57	1.67	9	62	8353	0	8371	0	0	8433	0	0	18	0	0	0	0	0
435	0.40	0.20	14	45	8367	0	0	8376	0	0	8421	0	0	9	0	0	0	0
436	0.22	-0.30	24	39	8391	8395	0	0	8434	0	0	4	0	0	0	0	0	0
437	0.60	0.61	8	49	8399	0	0	8421	0	0	8470	0	0	22	0	0	0	0
438	0.19	-0.68	25	34	8424	0	8433	0	0	8467	0	0	9	0	0	0	0	0
439	0.29	-1.18	19	28	8443	8443	0	0	8471	0	0	0	0	0	9	0	0	0
440	0.48	0.98	11	54	8454	0	8467	0	0	8521	0	0	13	0	0	0	0	0

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT			
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3	
441	0.18	-0.85	26	32	8480	0	0	8480	0	0	8512	0	0	0	0	0	10	
442	0.43	0.63	13	50	8493	8493	0	0	8543	0	0	0	0	0	0	22	0	0
443	0.32	-1.01	17	30	8510	0	0	8512	0	0	8542	0	0	2	0	0	0	
444	0.28	-0.23	20	40	8530	0	8530	0	0	8570	0	0	0	0	0	9	0	
445	0.58	0.99	8	54	8538	0	0	8542	0	0	8596	0	0	4	0	0	0	
446	0.41	1.22	14	57	8552	8552	0	0	8609	0	0	0	0	0	9	0	0	
447	0.04	0.25	49	45	8601	0	8601	0	0	8646	0	0	0	0	0	31	0	
448	0.58	0.74	8	51	8609	0	0	8609	0	0	8660	0	0	0	0	0	13	
449	0.16	0.66	29	50	8638	8638	0	0	8688	0	0	0	0	0	29	0	0	
450	0.35	0.66	16	50	8654	0	8654	0	0	8704	0	0	0	0	0	8	0	
451	0.66	0.74	6	51	8660	0	0	8660	0	0	8711	0	0	0	0	0	0	
452	0.58	0.46	9	48	8669	8688	0	0	8736	0	0	19	0	0	0	0	0	
453	0.35	0.22	16	45	8685	0	8704	0	0	8749	0	0	19	0	0	0	0	
454	0.04	2.12	50	67	8735	0	0	8735	0	0	8802	0	0	0	0	0	24	
455	0.52	-0.79	10	33	8745	8745	0	0	8778	0	0	0	0	0	9	0	0	
456	0.22	-1.80	24	21	8769	0	8769	0	0	8790	0	0	0	0	0	20	0	
457	0.54	0.64	9	50	8778	8778	0	0	8828	0	0	0	0	0	0	0	0	
458	0.63	1.05	7	55	8785	0	8790	0	0	8845	0	0	5	0	0	0	0	
459	0.13	-0.70	32	34	8817	0	0	8817	0	0	8851	0	0	0	0	0	15	
460	0.61	0.82	8	52	8825	8828	0	0	8880	0	0	3	0	0	0	0	0	
461	0.69	1.04	6	54	8831	0	8845	0	0	8899	0	0	14	0	0	0	0	
462	0.10	-1.62	35	23	8866	0	0	8866	0	0	8889	0	0	0	0	0	15	
463	0.18	0.83	26	52	8892	8892	0	0	8944	0	0	0	0	0	12	0	0	
464	0.12	0.13	32	44	8924	0	8924	0	0	8968	0	0	0	0	0	25	0	
465	0.48	-1.34	11	26	8935	0	0	8935	0	0	8961	0	0	0	0	0	46	
466	0.36	-1.12	16	29	8951	8951	0	0	8980	0	0	0	0	0	7	0	0	
467	0.68	-0.75	6	33	8957	0	0	8961	0	0	8994	0	0	4	0	0	0	
468	0.38	-0.28	15	39	8972	0	8972	0	0	9011	0	0	0	0	4	0	0	
469	0.49	0.59	11	49	8983	8983	0	0	9032	0	0	0	0	0	3	0	0	
470	0.30	-0.19	18	40	9001	0	0	9001	0	0	9041	0	0	0	0	0	7	
471	0.45	-0.45	12	37	9013	0	9013	0	0	9050	0	0	0	0	0	2	0	
472	0.04	-0.27	50	39	9063	9063	0	0	9102	0	0	0	0	0	31	0	0	
473	0.16	0.24	28	45	9091	0	9091	0	0	9136	0	0	0	0	0	41	0	
474	0.52	0.29	10	46	9101	0	0	9101	0	0	9147	0	0	0	0	0	60	
475	0.63	-1.49	7	25	9108	9108	0	0	9133	0	0	0	0	0	6	0	0	
476	0.06	0.94	42	53	9150	0	9150	0	0	9203	0	0	0	0	0	14	0	
477	0.43	-0.23	13	40	9163	0	0	9163	0	0	9203	0	0	0	0	0	16	
478	0.32	-0.65	17	35	9180	9180	0	0	9215	0	0	0	0	0	47	0	0	
479	0.47	0.71	12	51	9192	0	9203	0	0	9254	0	0	11	0	0	0	0	
480	0.05	-0.18	47	40	9239	0	0	9239	0	0	9279	0	0	0	0	0	36	
481	0.02	-0.69	57	34	9296	9296	0	0	9330	0	0	0	0	0	81	0	0	
482	0.39	-0.41	14	37	9310	0	9310	0	0	9347	0	0	0	0	0	56	0	
483	0.52	0.60	10	49	9320	0	0	9320	0	0	9369	0	0	0	0	0	41	
484	0.25	-0.14	21	41	9341	9341	0	0	9382	0	0	0	0	0	11	0	0	
485	0.21	0.52	24	48	9365	0	9365	0	0	9413	0	0	0	0	0	18	0	
486	0.38	0.82	15	52	9380	0	0	9380	0	0	9432	0	0	0	0	0	11	
487	0.66	0.21	6	45	9386	9386	0	0	9431	0	0	0	0	0	4	0	0	
488	0.22	0.84	23	52	9409	0	9413	0	0	9465	0	0	4	0	0	0	0	
489	0.34	-0.23	17	40	9426	9431	0	0	9471	0	0	5	0	0	0	0	0	
490	0.23	-0.37	23	38	9449	0	0	9449	0	0	9487	0	0	0	0	0	17	
491	0.13	0.55	32	49	9481	0	9481	0	0	9530	0	0	0	0	0	16	0	
492	0.17	0.81	27	52	9508	0	0	9508	0	0	9560	0	0	0	0	0	21	
493	0.41	0.07	14	43	9522	9522	0	0	9565	0	0	0	0	0	51	0	0	
494	0.10	0.81	36	52	9558	0	9558	0	0	9610	0	0	0	0	0	28	0	
495	0.15	-0.37	29	38	9587	0	0	9587	0	0	9625	0	0	0	0	0	27	

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT		
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
496	0.13	0.50	31	48	9618	9618	0	0	9666	0	0	0	0	0	53	0	0
497	0.50	-1.73	11	22	9629	0	9629	0	0	9651	0	0	0	0	0	19	0
498	0.64	0.01	7	42	9636	0	0	9636	0	0	9678	0	0	0	0	0	11
499	0.52	1.74	10	63	9646	0	9651	0	0	9714	0	0	5	0	0	0	0
500	0.23	-0.03	23	42	9669	9669	0	0	9711	0	0	0	0	0	3	0	0
501	0.68	1.03	6	54	9675	0	0	9678	0	0	9732	0	0	3	0	0	0
502	0.20	-1.06	25	30	9700	9711	0	0	9741	0	0	11	0	0	0	0	0
503	0.44	1.46	13	59	9713	0	9714	0	0	9773	0	0	1	0	0	0	0
504	0.32	-0.65	17	35	9730	0	0	9732	0	0	9767	0	0	2	0	0	0
505	0.08	1.54	38	60	9768	9768	0	0	9828	0	0	0	0	0	27	0	0
506	0.49	-0.99	11	31	9779	0	9779	0	0	9810	0	0	0	0	0	6	0
507	0.11	0.06	33	43	9812	0	0	9812	0	0	9855	0	0	0	0	0	45
508	0.43	-0.29	13	39	9825	0	9825	0	0	9864	0	0	0	0	0	15	0
509	0.42	1.65	13	62	9838	9838	0	0	9900	0	0	0	0	0	10	0	0
510	0.64	0.80	7	52	9845	0	0	9855	0	0	9907	0	0	10	0	0	0
511	0.28	-0.29	20	39	9865	0	9865	0	0	9904	0	0	0	0	0	1	0
512	0.41	-2.32	14	15	9879	9900	0	0	9915	0	0	21	0	0	0	0	0
513	0.40	0.38	14	47	9893	0	9904	0	0	9951	0	0	11	0	0	0	0
514	0.50	-1.01	11	30	9904	0	0	9907	0	0	9937	0	0	3	0	0	0
515	0.58	0.89	8	53	9912	9915	0	0	9968	0	0	3	0	0	0	0	0
516	0.43	-0.23	13	40	9925	0	0	9937	0	0	9977	0	0	12	0	0	0
517	0.22	-1.92	23	20	9948	0	9951	0	0	9971	0	0	3	0	0	0	0
518	0.21	-2.17	24	17	9972	9972	0	0	9989	0	0	0	0	0	4	0	0
519	0.60	-1.03	8	30	9980	0	0	9980	0	0	10010	0	0	0	0	0	3
520	0.70	0.25	6	45	9986	0	9986	0	0	10031	0	0	0	0	0	15	0
521	0.48	-0.98	11	31	9997	9997	0	0	10028	0	0	0	0	0	8	0	0
522	0.41	0.20	14	45	10011	0	0	10011	0	0	10056	0	0	0	0	0	1
523	0.31	-1.03	18	30	10029	10029	0	0	10059	0	0	0	0	0	1	0	0
524	0.68	0.00	6	42	10035	0	10035	0	0	10077	0	0	0	0	0	4	0
525	0.04	-0.36	52	38	10087	0	0	10087	0	0	10125	0	0	0	0	0	31
526	0.36	0.78	16	52	10103	10103	0	0	10155	0	0	0	0	0	44	0	0
527	0.64	-1.07	7	30	10110	0	10110	0	0	10140	0	0	0	0	0	33	0
528	0.03	0.46	52	48	10162	0	0	10162	0	0	10210	0	0	0	0	0	37
529	0.34	0.33	17	46	10179	10179	0	0	10225	0	0	0	0	0	24	0	0
530	0.19	1.88	26	64	10205	0	10205	0	0	10269	0	0	0	0	0	65	0
531	0.16	0.26	28	45	10233	0	0	10233	0	0	10278	0	0	0	0	0	23
532	0.67	-1.81	6	21	10239	10239	0	0	10260	0	0	0	0	0	14	0	0
533	0.36	2.37	16	70	10255	10260	0	0	10330	0	0	5	0	0	0	0	0
534	0.33	-1.33	17	27	10272	0	10272	0	0	10299	0	0	0	0	0	3	0
535	0.40	-0.69	14	34	10286	0	0	10286	0	0	10320	0	0	0	0	0	8
536	0.22	-0.08	23	41	10309	0	10309	0	0	10350	0	0	0	0	0	10	0
537	0.55	-0.25	9	39	10318	0	0	10320	0	0	10359	0	0	2	0	0	0
538	0.41	-0.18	14	40	10332	10332	0	0	10372	0	0	0	0	0	2	0	0
539	0.32	-0.15	17	40	10349	0	10350	0	0	10390	0	0	1	0	0	0	0
540	0.24	0.30	22	46	10371	0	0	10371	0	0	10417	0	0	0	0	0	12
541	0.22	-0.81	23	33	10394	10394	0	0	10427	0	0	0	0	0	22	0	0
542	0.49	-0.32	11	39	10405	0	10405	0	0	10444	0	0	0	0	0	15	0
543	0.20	-0.46	25	37	10430	0	0	10430	0	0	10467	0	0	0	0	0	13
544	0.58	0.41	8	47	10438	10438	0	0	10485	0	0	0	0	0	11	0	0
545	0.39	-1.07	15	30	10453	0	10453	0	0	10483	0	0	0	0	0	9	0
546	0.33	-0.49	17	36	10470	0	0	10470	0	0	10506	0	0	0	0	0	3
547	0.17	-1.21	28	28	10498	10498	0	0	10526	0	0	0	0	0	13	0	0
548	0.12	-0.76	32	33	10530	0	10530	0	0	10563	0	0	0	0	0	47	0
549	0.07	-0.22	40	40	10570	0	0	10570	0	0	10610	0	0	0	0	0	64
550	0.25	1.08	21	55	10591	10591	0	0	10646	0	0	0	0	0	65	0	0

No				ART			SET			WT			IT				
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
551	0.15	-0.09	29	41	10620	0	10620	0	0	10661	0	0	0	0	0	57	0
552	0.55	-0.92	9	31	10629	0	0	10629	0	0	10660	0	0	0	0	0	19
553	0.10	-0.62	36	35	10665	10665	0	0	10700	0	0	0	0	0	19	0	0
554	0.44	0.40	13	47	10678	0	10678	0	0	10725	0	0	0	0	0	17	0
555	0.60	0.21	8	45	10686	0	0	10686	0	0	10731	0	0	0	0	0	26
556	0.19	-1.00	26	30	10712	10712	0	0	10742	0	0	0	0	0	12	0	0
557	0.49	-0.78	11	33	10723	0	10725	0	0	10758	0	0	2	0	0	0	0
558	0.13	1.12	31	55	10754	0	0	10754	0	0	10809	0	0	0	0	0	23
559	0.61	-0.07	8	41	10762	10762	0	0	10803	0	0	0	0	0	20	0	0
560	0.21	0.70	24	51	10786	0	10786	0	0	10837	0	0	0	0	0	28	0
561	0.44	0.99	13	54	10799	10803	0	0	10857	0	0	4	0	0	0	0	0
562	0.44	0.19	13	45	10812	0	0	10812	0	0	10857	0	0	0	0	0	3
563	0.66	-0.60	6	35	10818	0	10837	0	0	10872	0	0	19	0	0	0	0
564	0.49	0.06	11	43	10829	10857	0	0	10900	0	0	28	0	0	0	0	0
565	0.41	1.46	14	59	10843	0	0	10857	0	0	10916	0	0	14	0	0	0
566	0.38	0.71	15	51	10858	0	10872	0	0	10923	0	0	14	0	0	0	0
567	0.45	-1.74	12	22	10870	10900	0	0	10922	0	0	30	0	0	0	0	0
568	0.27	1.59	20	61	10890	0	0	10916	0	0	10977	0	0	26	0	0	0
569	0.69	-0.15	6	40	10896	10922	0	0	10962	0	0	26	0	0	0	0	0
570	0.07	-1.26	41	27	10937	0	10937	0	0	10964	0	0	0	0	0	14	0
571	0.55	-1.75	9	22	10946	10962	0	0	10984	0	0	16	0	0	0	0	0
572	0.57	-0.02	9	42	10955	0	10964	0	0	11006	0	0	9	0	0	0	0
573	0.11	-0.80	34	33	10989	0	0	10989	0	0	11022	0	0	0	0	0	12
574	0.26	-0.40	21	38	11010	0	11010	0	0	11048	0	0	0	0	0	4	0
575	0.49	1.29	11	57	11021	11021	0	0	11078	0	0	0	0	0	37	0	0
576	0.68	-0.61	6	35	11027	0	0	11027	0	0	11062	0	0	0	0	0	5
577	0.58	0.02	8	42	11035	0	11048	0	0	11090	0	0	13	0	0	0	0
578	0.47	0.69	12	50	11047	0	0	11062	0	0	11112	0	0	15	0	0	0
579	0.16	0.83	28	52	11075	11078	0	0	11130	0	0	3	0	0	0	0	0
580	0.21	-0.49	24	36	11099	0	11099	0	0	11135	0	0	0	0	0	9	0
581	0.60	-0.51	8	36	11107	0	0	11112	0	0	11148	0	0	5	0	0	0
582	0.36	-2.02	16	18	11123	11130	0	0	11148	0	0	7	0	0	0	0	0
583	0.23	-0.14	23	41	11146	0	11146	0	0	11187	0	0	0	0	0	11	0
584	0.07	-0.77	40	33	11186	0	0	11186	0	0	11219	0	0	0	0	0	38
585	0.07	2.05	40	66	11226	0	0	11226	0	0	11292	0	0	0	0	0	7
586	0.05	0.76	47	51	11273	11273	0	0	11324	0	0	0	0	0	125	0	0
587	0.18	1.60	27	61	11300	0	11300	0	0	11361	0	0	0	0	0	113	0
588	0.05	-0.10	48	41	11348	0	0	11348	0	0	11389	0	0	0	0	0	56
589	0.36	-1.90	16	20	11364	11364	0	0	11384	0	0	0	0	0	40	0	0
590	0.27	-0.12	20	41	11384	0	11384	0	0	11425	0	0	0	0	0	23	0
591	0.30	0.25	18	45	11402	0	0	11402	0	0	11447	0	0	0	0	0	13
592	0.29	-0.38	19	38	11421	11421	0	0	11459	0	0	0	0	0	37	0	0
593	0.39	0.11	14	44	11435	0	11435	0	0	11479	0	0	0	0	0	10	0
594	0.28	-1.95	20	19	11455	0	0	11455	0	0	11474	0	0	0	0	0	8
595	0.56	-0.06	9	42	11464	11464	0	0	11506	0	0	0	0	0	5	0	0
596	0.63	0.36	7	46	11471	0	0	11474	0	0	11520	0	0	3	0	0	0
597	0.69	-0.28	6	39	11477	0	11479	0	0	11518	0	0	2	0	0	0	0
598	0.32	-0.85	17	32	11494	11506	0	0	11538	0	0	12	0	0	0	0	0
599	0.25	0.24	22	45	11516	0	11518	0	0	11563	0	0	2	0	0	0	0
600	0.18	-0.32	26	38	11542	0	0	11542	0	0	11580	0	0	0	0	0	22
T O T A L												1026	837	838	2896	2949	2957

No							ART			SET			WT			IT		
	RN1	RN2	ARR	SER	TAR		ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
550	0.12	1.20	33	50	10318	10318	0	0	10368	0	0	0	0	0	0	28	0	0
551	0.55	0.11	9	39	10327	0	10327	0	0	10366	0	0	0	0	0	0	13	0
552	0.69	-2.06	6	17	10333	0	0	10333	0	0	10350	0	0	0	0	0	0	14
553	0.34	1.69	16	55	10349	0	0	10350	0	0	10405	0	0	1	0	0	0	0
554	0.07	-1.42	41	24	10390	10390	0	0	10414	0	0	0	0	0	0	22	0	0
555	0.68	-0.10	6	37	10396	0	10396	0	0	10433	0	0	0	0	0	0	30	0
556	0.57	2.43	9	63	10405	0	0	10405	0	0	10468	0	0	0	0	0	0	0
557	0.27	-0.83	20	30	10425	10425	0	0	10455	0	0	0	0	0	0	11	0	0
558	0.68	-1.00	6	28	10431	0	10433	0	0	10461	0	0	0	2	0	0	0	0
559	0.52	-0.01	10	38	10441	10455	0	0	10493	0	0	0	14	0	0	0	0	0
560	0.26	1.25	21	51	10462	0	10462	0	0	10513	0	0	0	0	0	0	1	0
561	0.66	1.88	6	57	10468	0	0	10468	0	0	10525	0	0	0	0	0	0	0
562	0.07	-1.07	41	27	10509	10509	0	0	10536	0	0	0	0	0	0	16	0	0
563	0.61	-2.02	8	18	10517	0	10517	0	0	10535	0	0	0	0	0	0	4	0
564	0.60	0.86	8	47	10525	0	0	10525	0	0	10572	0	0	0	0	0	0	0
565	0.45	0.27	12	41	10537	10537	0	0	10578	0	0	0	0	0	0	1	0	0
566	0.54	0.46	10	43	10547	0	10547	0	0	10590	0	0	0	0	0	0	12	0
567	0.43	-1.04	13	28	10560	0	0	10572	0	0	10600	0	0	12	0	0	0	0
568	0.53	0.49	10	43	10570	10578	0	0	10621	0	0	0	8	0	0	0	0	0
569	0.15	-0.57	29	32	10599	0	10599	0	0	10631	0	0	0	0	0	0	9	0
570	0.62	-0.90	7	29	10606	0	0	10606	0	0	10635	0	0	0	0	0	0	6
571	0.48	-0.15	11	37	10617	10621	0	0	10658	0	0	0	4	0	0	0	0	0
572	0.61	0.47	8	43	10625	0	10631	0	0	10674	0	0	0	6	0	0	0	0
573	0.61	-0.13	8	37	10633	0	0	10635	0	0	10672	0	0	2	0	0	0	0
574	0.12	1.35	33	52	10666	10666	0	0	10718	0	0	0	0	0	0	8	0	0
575	0.10	-0.42	35	34	10701	0	10701	0	0	10735	0	0	0	0	0	0	27	0
576	0.10	0.05	35	39	10736	0	0	10736	0	0	10775	0	0	0	0	0	0	64
577	0.36	1.27	16	51	10752	10752	0	0	10803	0	0	0	0	0	0	34	0	0
578	0.24	-1.07	22	27	10774	0	10774	0	0	10801	0	0	0	0	0	0	39	0
579	0.66	-0.32	6	35	10780	0	0	10780	0	0	10815	0	0	0	0	0	0	5
580	0.02	0.53	58	43	10838	10838	0	0	10881	0	0	0	0	0	0	35	0	0
581	0.14	-0.01	30	38	10868	0	10868	0	0	10906	0	0	0	0	0	0	67	0
582	0.31	0.57	18	44	10886	0	0	10886	0	0	10930	0	0	0	0	0	0	71
583	0.24	0.57	22	44	10908	10908	0	0	10952	0	0	0	0	0	0	27	0	0
584	0.47	-1.00	12	28	10920	0	10920	0	0	10948	0	0	0	0	0	0	14	0
585	0.23	0.88	23	47	10943	0	0	10943	0	0	10990	0	0	0	0	0	0	13
586	0.35	1.11	16	49	10959	10959	0	0	11008	0	0	0	0	0	0	7	0	0
587	0.11	-0.13	34	37	10993	0	10993	0	0	11030	0	0	0	0	0	0	45	0
588	0.69	0.13	6	39	10999	0	0	10999	0	0	11038	0	0	0	0	0	0	9
589	0.06	-1.32	44	25	11043	11043	0	0	11068	0	0	0	0	0	0	35	0	0
590	0.54	-0.86	9	29	11052	0	11052	0	0	11081	0	0	0	0	0	0	22	0
591	0.03	0.61	56	44	11108	0	0	11108	0	0	11152	0	0	0	0	0	0	70
592	0.63	0.56	7	44	11115	11115	0	0	11159	0	0	0	0	0	0	47	0	0
593	0.06	0.40	44	42	11159	0	11159	0	0	11201	0	0	0	0	0	0	78	0
594	0.64	-0.81	7	30	11166	0	0	11166	0	0	11196	0	0	0	0	0	0	14
595	0.44	-1.13	13	27	11179	11179	0	0	11206	0	0	0	0	0	0	20	0	0
596	0.22	1.00	24	48	11203	0	11203	0	0	11251	0	0	0	0	0	0	2	0
597	0.51	-2.24	10	15	11213	0	0	11213	0	0	11228	0	0	0	0	0	0	17
598	0.57	-0.36	9	34	11222	11222	0	0	11256	0	0	0	0	0	0	16	0	0
599	0.59	-1.17	8	26	11230	0	0	11230	0	0	11256	0	0	0	0	0	0	2
600	0.67	-0.26	6	35	11236	0	11251	0	0	11286	0	0	0	15	0	0	0	0
T O T A L													489	318	413	3632	3564	3712

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT		
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
551	0.09	-0.65	37	35	10723	0	10723	0	0	10759	0	0	0	0	0	23	0
552	0.16	0.31	28	48	10751	0	0	10751	0	0	10799	0	0	0	0	0	60
553	0.60	0.21	8	45	10759	10759	0	0	10804	0	0	0	0	0	42	0	0
554	0.26	0.93	20	53	10779	0	10779	0	0	10832	0	0	0	0	0	21	0
555	0.28	-1.39	20	27	10799	0	0	10799	0	0	10826	0	0	0	0	0	0
556	0.60	-0.92	8	32	10807	10807	0	0	10839	0	0	0	0	0	3	0	0
557	0.40	-0.64	14	35	10821	0	0	10826	0	0	10861	0	0	5	0	0	0
558	0.12	0.55	33	48	10854	0	10854	0	0	10902	0	0	0	0	0	22	0
559	0.47	0.25	12	45	10866	10866	0	0	10911	0	0	0	0	0	27	0	0
560	0.60	0.65	8	50	10874	0	0	10874	0	0	10924	0	0	0	0	0	13
561	0.39	1.30	15	57	10889	0	10902	0	0	10959	0	0	13	0	0	0	0
562	0.52	0.05	10	43	10899	10911	0	0	10954	0	0	12	0	0	0	0	0
563	0.52	0.07	10	43	10909	0	0	10924	0	0	10967	0	0	15	0	0	0
564	0.65	0.79	7	51	10916	10954	0	0	11005	0	0	38	0	0	0	0	0
565	0.68	1.36	6	57	10922	0	10959	0	0	11016	0	0	37	0	0	0	0
566	0.52	-0.40	10	38	10932	0	0	10967	0	0	11005	0	0	35	0	0	0
567	0.65	0.26	7	45	10939	11005	0	0	11050	0	0	66	0	0	0	0	0
568	0.31	-1.84	18	22	10957	0	0	11005	0	0	11027	0	0	48	0	0	0
569	0.56	0.49	9	48	10966	0	11016	0	0	11064	0	0	50	0	0	0	0
570	0.06	2.38	43	69	11009	0	0	11027	0	0	11096	0	0	18	0	0	0
571	0.53	0.62	10	49	11019	11050	0	0	11099	0	0	31	0	0	0	0	0
572	0.10	-0.63	36	35	11055	0	11064	0	0	11099	0	0	9	0	0	0	0
573	0.69	0.44	6	47	11061	0	0	11096	0	0	11143	0	0	35	0	0	0
574	0.17	1.43	27	58	11088	11099	0	0	11157	0	0	11	0	0	0	0	0
575	0.28	-0.42	20	38	11108	0	11108	0	0	11146	0	0	0	0	0	9	0
576	0.48	0.29	11	45	11119	0	0	11143	0	0	11198	0	0	24	0	0	0
577	0.18	-0.61	27	35	11146	0	11146	0	0	11181	0	0	0	0	0	0	0
578	0.31	-2.33	18	16	11164	11164	0	0	11180	0	0	0	0	0	7	0	0
579	0.50	-1.85	11	22	11175	11180	0	0	11202	0	0	5	0	0	0	0	0
580	0.09	0.39	38	47	11213	0	11213	0	0	11260	0	0	0	0	0	32	0
581	0.29	0.43	19	47	11232	0	0	11232	0	0	11279	0	0	0	0	0	44
582	0.63	0.45	7	47	11239	11239	0	0	11286	0	0	0	0	0	37	0	0
583	0.12	-1.47	33	26	11272	0	11272	0	0	11298	0	0	0	0	0	12	0
584	0.35	-0.67	16	35	11288	0	0	11288	0	0	11323	0	0	0	0	0	9
585	0.50	1.46	11	59	11299	0	11299	0	0	11358	0	0	0	0	0	1	0
586	0.23	-1.51	22	25	11321	11321	0	0	11346	0	0	0	0	0	35	0	0
587	0.37	-2.13	15	18	11336	0	0	11336	0	0	11354	0	0	0	0	0	13
588	0.17	-0.52	27	36	11363	0	11363	0	0	11399	0	0	0	0	0	5	0
589	0.40	-0.46	14	37	11377	11377	0	0	11414	0	0	0	0	0	31	0	0
590	0.36	0.19	16	44	11393	0	0	11393	0	0	11437	0	0	0	0	0	39
591	0.27	-0.44	20	37	11413	0	11413	0	0	11450	0	0	0	0	0	14	0
592	0.64	-1.41	7	27	11420	11420	0	0	11447	0	0	0	0	0	6	0	0
593	0.06	1.16	42	55	11462	0	11462	0	0	11517	0	0	0	0	0	12	0
594	0.61	0.85	8	52	11470	0	0	11470	0	0	11522	0	0	0	0	0	33
595	0.41	-1.20	14	29	11484	11484	0	0	11513	0	0	0	0	0	37	0	0
596	0.23	1.26	23	56	11507	11513	0	0	11569	0	0	6	0	0	0	0	0
597	0.67	-1.29	6	28	11513	0	11517	0	0	11545	0	0	4	0	0	0	0
598	0.33	-1.53	17	25	11530	0	0	11530	0	0	11555	0	0	0	0	0	6
599	0.33	-0.35	17	33	11547	0	11547	0	0	11580	0	0	0	0	0	2	0
600	0.54	0.97	9	53	11556	0	0	11556	0	0	11609	0	0	0	0	0	1
T O T A L												328	344	836	3262	3129	3176

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT		
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
550	0.64	-0.14	7	43	10811	10818	0	0	10861	0	0	7	0	0	0	0	0
551	0.37	-0.69	15	36	10826	0	0	10849	0	0	10885	0	0	23	0	0	0
552	0.11	1.17	34	58	10860	0	10860	0	0	10918	0	0	0	0	0	3	0
553	0.21	0.01	24	45	10884	10884	0	0	10929	0	0	0	0	0	23	0	0
554	0.37	-0.59	15	37	10899	0	0	10899	0	0	10936	0	0	0	0	0	14
555	0.15	-0.72	29	36	10928	0	10928	0	0	10964	0	0	0	0	0	10	0
556	0.08	1.79	40	65	10968	10968	0	0	11033	0	0	0	0	0	39	0	0
557	0.51	0.50	10	50	10978	0	10978	0	0	11028	0	0	0	0	0	14	0
558	0.03	1.69	54	64	11032	0	0	11032	0	0	11096	0	0	0	0	0	96
559	0.20	0.19	25	47	11057	11057	0	0	11104	0	0	0	0	0	24	0	0
560	0.54	-0.17	10	42	11067	0	11067	0	0	11109	0	0	0	0	0	39	0
561	0.06	0.36	42	49	11109	0	0	11109	0	0	11158	0	0	0	0	0	13
562	0.59	0.77	8	53	11117	11117	0	0	11170	0	0	0	0	0	13	0	0
563	0.31	-2.24	18	18	11135	0	11135	0	0	11153	0	0	0	0	0	26	0
564	0.52	0.46	10	50	11145	0	11153	0	0	11203	0	0	8	0	0	0	0
565	0.36	-0.68	16	36	11161	0	0	11161	0	0	11197	0	0	0	0	0	3
566	0.59	0.88	8	55	11169	11170	0	0	11225	0	0	1	0	0	0	0	0
567	0.49	0.59	11	51	11180	0	0	11197	0	0	11248	0	0	17	0	0	0
568	0.33	-0.19	17	42	11197	0	11203	0	0	11245	0	0	6	0	0	0	0
569	0.19	-0.39	25	40	11222	11225	0	0	11265	0	0	3	0	0	0	0	0
570	0.33	-1.48	17	27	11239	0	11245	0	0	11272	0	0	6	0	0	0	0
571	0.24	0.08	22	45	11261	0	0	11261	0	0	11306	0	0	0	0	0	13
572	0.30	-0.77	19	35	11280	11280	0	0	11315	0	0	0	0	0	15	0	0
573	0.48	-0.09	11	43	11291	0	11291	0	0	11334	0	0	0	0	0	19	0
574	0.47	1.29	12	59	11303	0	0	11306	0	0	11365	0	0	3	0	0	0
575	0.68	-0.62	6	37	11309	11315	0	0	11352	0	0	6	0	0	0	0	0
576	0.24	0.62	22	52	11331	0	11334	0	0	11386	0	0	3	0	0	0	0
577	0.66	-1.29	6	29	11337	11352	0	0	11381	0	0	15	0	0	0	0	0
578	0.57	-0.13	9	43	11346	0	0	11365	0	0	11408	0	0	19	0	0	0
579	0.17	0.33	27	48	11373	11381	0	0	11429	0	0	8	0	0	0	0	0
580	0.10	-0.86	36	34	11409	0	0	11409	0	0	11443	0	0	0	0	0	1
581	0.16	1.26	29	59	11438	0	11438	0	0	11497	0	0	0	0	0	52	0
582	0.46	-0.23	12	42	11450	0	0	11450	0	0	11492	0	0	0	0	0	7
583	0.53	1.43	10	61	11460	11460	0	0	11521	0	0	0	0	0	31	0	0
584	0.68	0.73	6	53	11466	0	0	11492	0	0	11545	0	0	26	0	0	0
585	0.65	0.93	7	55	11473	0	11497	0	0	11552	0	0	24	0	0	0	0
586	0.37	-0.27	15	41	11488	11521	0	0	11562	0	0	33	0	0	0	0	0
587	0.08	-1.21	39	30	11527	0	0	11545	0	0	11575	0	0	18	0	0	0
588	0.40	-0.88	14	34	11541	0	11552	0	0	11586	0	0	11	0	0	0	0
589	0.17	0.97	27	56	11568	11568	0	0	11624	0	0	0	0	0	6	0	0
590	0.37	-0.82	15	35	11583	0	0	11583	0	0	11618	0	0	0	0	0	8
591	0.12	1.52	32	62	11615	0	11615	0	0	11677	0	0	0	0	0	29	0
592	0.09	-0.90	37	34	11652	11652	0	0	11686	0	0	0	0	0	28	0	0
593	0.61	-0.21	8	42	11660	0	0	11660	0	0	11702	0	0	0	0	0	42
594	0.59	0.43	8	49	11668	0	11677	0	0	11726	0	0	9	0	0	0	0
595	0.04	-0.84	51	35	11719	11719	0	0	11754	0	0	0	0	0	33	0	0
596	0.32	0.92	17	55	11736	0	11736	0	0	11791	0	0	0	0	0	10	0
597	0.51	0.30	10	48	11746	0	0	11746	0	0	11794	0	0	0	0	0	44
598	0.43	0.18	13	47	11759	11759	0	0	11806	0	0	0	0	0	5	0	0
599	0.51	0.31	10	48	11769	0	11791	0	0	11839	0	0	22	0	0	0	0
600	0.26	0.24	21	47	11790	0	0	11794	0	0	11841	0	0	4	0	0	0
T O T A L												1112	1132	1108	2955	3166	2802

No	ART						SET			WT			IT				
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
550	0.10	1.43	36	64	10540	0	0	10541	0	0	10605	0	0	1	0	0	0
551	0.52	-0.76	10	37	10550	0	10571	0	0	10608	0	0	21	0	0	0	0
552	0.28	-0.39	20	42	10570	10579	0	0	10621	0	0	9	0	0	0	0	0
553	0.04	0.17	51	49	10621	0	10621	0	0	10670	0	0	0	0	0	0	0
554	0.59	0.49	8	52	10629	10629	0	0	10681	0	0	0	0	0	0	13	0
555	0.48	-0.03	11	46	10640	0	0	10640	0	0	10686	0	0	0	8	0	0
556	0.61	0.20	8	49	10648	0	10670	0	0	10719	0	0	22	0	0	0	35
557	0.27	-1.30	20	31	10668	10681	0	0	10712	0	0	13	0	0	0	0	0
558	0.55	1.11	9	60	10677	0	0	10686	0	0	10746	0	0	9	0	0	0
559	0.52	0.08	10	47	10687	10712	0	0	10759	0	0	25	0	0	0	0	0
560	0.37	1.44	15	64	10702	0	10719	0	0	10783	0	0	17	0	0	0	0
561	0.54	0.65	9	54	10711	0	0	10746	0	0	10800	0	0	35	0	0	0
562	0.38	0.40	15	51	10726	10759	0	0	10810	0	0	33	0	0	0	0	0
563	0.31	-1.26	18	31	10744	0	10783	0	0	10814	0	0	39	0	0	0	0
564	0.51	-0.27	10	43	10754	0	0	10800	0	0	10843	0	0	46	0	0	0
565	0.24	1.62	22	66	10776	10810	0	0	10876	0	0	34	0	0	0	0	0
566	0.06	0.92	45	58	10821	0	10821	0	0	10879	0	0	0	0	0	7	0
567	0.15	0.81	29	56	10850	0	0	10850	0	0	10906	0	0	0	0	0	7
568	0.40	-2.47	14	16	10864	10876	0	0	10892	0	0	12	0	0	0	0	0
569	0.45	1.00	12	59	10876	0	10879	0	0	10938	0	0	3	0	0	0	0
570	0.35	-0.99	16	34	10892	10892	0	0	10926	0	0	0	0	0	0	0	0
571	0.56	-1.39	9	29	10901	0	0	10906	0	0	10935	0	0	5	0	0	0
572	0.14	0.12	30	48	10931	10931	0	0	10979	0	0	0	0	0	5	0	0
573	0.24	-0.67	22	38	10953	0	10953	0	0	10991	0	0	0	0	0	15	0
574	0.13	0.87	32	57	10985	0	0	10985	0	0	11042	0	0	0	0	0	50
575	0.21	-0.46	24	41	11009	0	11009	0	0	11050	0	0	0	0	0	18	0
576	0.28	1.12	19	60	11028	11028	0	0	11088	0	0	0	0	0	49	0	0
577	0.44	-0.97	13	35	11041	0	0	11042	0	0	11077	0	0	1	0	0	0
578	0.09	-0.85	38	36	11079	0	11079	0	0	11115	0	0	0	0	0	29	0
579	0.05	-0.89	48	36	11127	0	0	11127	0	0	11163	0	0	0	0	0	50
580	0.27	-0.55	20	40	11147	11147	0	0	11187	0	0	0	0	0	59	0	0
581	0.21	-0.68	24	38	11171	0	11171	0	0	11209	0	0	0	0	0	56	0
582	0.12	0.76	33	56	11204	0	0	11204	0	0	11260	0	0	0	0	0	41
583	0.70	0.30	6	50	11210	11210	0	0	11260	0	0	0	0	0	23	0	0
584	0.30	-0.53	19	40	11229	0	11229	0	0	11269	0	0	0	0	0	20	0
585	0.04	-0.74	50	37	11279	0	0	11279	0	0	11316	0	0	0	0	0	19
586	0.11	-0.79	33	37	11312	11312	0	0	11349	0	0	0	0	0	52	0	0
587	0.37	0.53	15	53	11327	0	11327	0	0	11380	0	0	0	0	0	58	0
588	0.26	-0.74	21	37	11348	0	0	11348	0	0	11385	0	0	0	0	0	32
589	0.67	-0.41	6	41	11354	11354	0	0	11395	0	0	0	0	0	5	0	0
590	0.33	-0.08	17	46	11371	0	11380	0	0	11426	0	0	9	0	0	0	0
591	0.19	0.35	25	51	11396	0	0	11396	0	0	11447	0	0	0	0	0	11
592	0.64	-1.26	7	31	11403	11403	0	0	11434	0	0	0	0	0	8	0	0
593	0.53	1.87	10	70	11413	0	11426	0	0	11496	0	0	13	0	0	0	0
594	0.11	1.55	34	66	11447	11447	0	0	11513	0	0	0	0	0	13	0	0
595	0.15	1.36	29	63	11476	0	0	11476	0	0	11539	0	0	0	0	0	29
596	0.47	-1.51	12	28	11488	0	11496	0	0	11524	0	0	8	0	0	0	0
597	0.41	0.49	14	52	11502	11513	0	0	11565	0	0	11	0	0	0	0	0
598	0.36	1.32	16	63	11518	0	11524	0	0	11587	0	0	6	0	0	0	0
599	0.52	-0.24	10	44	11528	0	0	11539	0	0	11583	0	0	11	0	0	0
600	0.39	-2.41	14	17	11542	11565	0	0	11582	0	0	23	0	0	0	0	0
T O T A L												1849	1690	1908	2363	2068	2420

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT		
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
550	0.68	-0.76	7	34	11110	11137	0	0	11171	0	0	27	0	0	0	0	0
551	0.71	0.43	6	47	11116	0	11157	0	0	11204	0	0	41	0	0	0	0
552	0.32	0.09	20	43	11136	0	0	11162	0	0	11205	0	0	26	0	0	
553	0.64	-1.20	8	29	11144	11171	0	0	11200	0	0	27	0	0	0	0	
554	0.10	0.42	40	47	11184	11200	0	0	11247	0	0	16	0	0	0	0	
555	0.33	-0.60	19	36	11203	0	11204	0	0	11240	0	0	1	0	0	0	0
556	0.32	-0.78	20	34	11223	0	0	11223	0	0	11257	0	0	0	0	18	
557	0.41	0.97	15	53	11238	0	11240	0	0	11293	0	0	2	0	0	0	
558	0.56	1.29	10	57	11248	11248	0	0	11305	0	0	0	0	1	0	0	
559	0.08	0.91	43	52	11291	0	0	11291	0	0	11343	0	0	0	0	34	
560	0.70	0.54	6	48	11297	0	11297	0	0	11345	0	0	0	0	4	0	
561	0.05	0.82	52	51	11349	11349	0	0	11400	0	0	0	0	44	0	0	
562	0.66	-1.41	7	26	11356	0	0	11356	0	0	11382	0	0	0	0	13	
563	0.08	-1.08	43	30	11399	0	0	11399	0	0	11429	0	0	0	0	17	
564	0.21	0.12	27	44	11426	11426	0	0	11470	0	0	0	0	26	0	0	
565	0.63	-1.55	8	25	11434	0	11434	0	0	11459	0	0	0	0	89	0	
566	0.12	-0.13	37	41	11471	11471	0	0	11512	0	0	0	0	1	0	0	
567	0.68	1.45	7	59	11478	0	0	11478	0	0	11537	0	0	0	0	49	
568	0.69	0.44	7	47	11485	0	11485	0	0	11532	0	0	0	0	26	0	
569	0.43	0.33	15	46	11500	11512	0	0	11558	0	0	12	0	0	0	0	
570	0.08	1.49	44	59	11544	0	0	11544	0	0	11603	0	0	0	0	7	
571	0.44	-0.93	14	32	11558	0	11558	0	0	11590	0	0	0	0	26	0	
572	0.71	-1.99	6	20	11564	11564	0	0	11584	0	0	0	0	6	0	0	
573	0.31	1.86	20	63	11584	11584	0	0	11647	0	0	0	0	0	0	0	
574	0.51	0.95	12	53	11596	0	11596	0	0	11649	0	0	0	0	6	0	
575	0.66	-1.13	7	30	11603	0	0	11603	0	0	11633	0	0	0	0	0	
576	0.44	-1.34	14	27	11617	0	0	11633	0	0	11660	0	0	16	0	0	
577	0.62	1.50	8	59	11625	11647	0	0	11706	0	0	22	0	0	0	0	
578	0.10	-0.07	40	42	11665	0	11665	0	0	11707	0	0	0	0	16	0	
579	0.64	-1.00	8	31	11673	0	0	11673	0	0	11704	0	0	0	0	13	
580	0.34	-1.53	19	25	11692	0	0	11704	0	0	11729	0	0	12	0	0	
581	0.50	-1.35	12	27	11704	11706	0	0	11733	0	0	2	0	0	0	0	
582	0.51	0.78	12	51	11716	0	11716	0	0	11767	0	0	0	0	9	0	
583	0.41	-1.86	15	21	11731	0	0	11731	0	0	11752	0	0	0	0	2	
584	0.23	1.19	25	56	11756	11756	0	0	11812	0	0	0	0	23	0	0	
585	0.58	0.85	9	52	11765	0	0	11765	0	0	11817	0	0	0	0	13	
586	0.44	0.83	14	52	11779	0	11779	0	0	11831	0	0	0	0	12	0	
587	0.13	0.05	36	43	11815	11815	0	0	11858	0	0	0	0	3	0	0	
588	0.58	-1.43	9	26	11824	0	0	11824	0	0	11850	0	0	0	0	7	
589	0.45	1.68	14	61	11838	0	11838	0	0	11899	0	0	0	0	7	0	
590	0.53	0.37	11	46	11849	0	0	11850	0	0	11896	0	1	0	0	0	
591	0.46	0.59	13	49	11862	11862	0	0	11911	0	0	0	0	4	0	0	
592	0.28	-0.51	22	37	11884	0	0	11896	0	0	11933	0	0	12	0	0	
593	0.17	0.68	31	50	11915	0	11915	0	0	11965	0	0	0	0	16	0	
594	0.19	-0.51	28	37	11943	11943	0	0	11980	0	0	0	0	32	0	0	
595	0.51	-0.86	11	33	11954	0	0	11954	0	0	11987	0	0	0	0	21	
596	0.23	0.96	25	53	11979	0	11979	0	0	12032	0	0	0	0	14	0	
597	0.37	0.26	17	45	11996	11996	0	0	12041	0	0	0	0	16	0	0	
598	0.07	1.64	47	61	12043	0	12043	0	0	12104	0	0	0	0	11	0	
599	0.22	0.66	26	50	12069	12069	0	0	12119	0	0	0	0	28	0	0	
600	0.50	-1.21	12	29	12081	0	0	12081	0	0	12110	0	0	0	0	94	
T O T A L												628	674	573	3560	3776	3857

No	ARR			SER			TAR			ART			SET			WT			IT		
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3				
550	0.39	-0.91	15	32	10367	0	0	10867	0	0	10899	0	0	0	0	0	9				
551	0.23	-0.58	23	36	10890	10890	0	0	10926	0	0	0	0	0	6	0	0				
552	0.67	0.08	7	43	10897	0	10897	0	0	10940	0	0	0	0	10	0					
553	0.07	1.22	43	56	10940	0	0	10940	0	0	10996	0	0	0	0	41					
554	0.20	-0.28	26	39	10966	10966	0	0	11005	0	0	0	0	0	40	0					
555	0.70	0.08	6	43	10972	0	10972	0	0	11015	0	0	0	0	32	0					
556	0.52	-0.22	11	40	10983	0	0	10996	0	0	11036	0	0	13	0	0					
557	0.52	0.23	11	45	10994	11005	0	0	11050	0	0	11	0	0	0	0					
558	0.12	-0.58	34	36	11028	0	11028	0	0	11064	0	0	0	0	13	0					
559	0.09	-0.49	39	37	11067	0	0	11067	0	0	11104	0	0	0	0	31					
560	0.54	0.29	10	46	11077	11077	0	0	11123	0	0	0	0	0	27	0					
561	0.35	-0.44	17	37	11094	0	11094	0	0	11131	0	0	0	0	30	0					
562	0.70	-0.46	6	37	11100	0	0	11104	0	0	11141	0	0	4	0	0					
563	0.22	-0.89	24	32	11124	11124	0	0	11156	0	0	0	0	0	1	0					
564	0.12	-0.63	34	35	11158	0	0	11158	0	0	11193	0	0	0	0	17					
565	0.68	-1.23	6	28	11164	11164	0	0	11192	0	0	0	0	0	8	0					
566	0.49	1.05	11	54	11175	0	11175	0	0	11229	0	0	0	0	44	0					
567	0.33	-0.62	18	35	11193	11193	0	0	11228	0	0	0	0	0	1	0					
568	0.70	-1.55	6	25	11199	0	0	11199	0	0	11224	0	0	0	0	6					
569	0.22	0.48	25	48	11224	0	0	11224	0	0	11272	0	0	0	0	0					
570	0.37	-0.32	16	39	11240	0	11240	0	0	11279	0	0	0	0	11	0					
571	0.24	0.72	23	50	11263	11263	0	0	11313	0	0	0	0	0	35	0					
572	0.14	0.15	32	44	11295	0	11295	0	0	11339	0	0	0	0	16	0					
573	0.12	0.78	34	51	11329	0	0	11329	0	0	11380	0	0	0	0	57					
574	0.58	2.32	9	68	11338	11338	0	0	11406	0	0	0	0	0	25	0					
575	0.67	1.12	6	55	11344	0	11344	0	0	11399	0	0	0	0	5	0					
576	0.10	-0.91	37	32	11381	0	0	11381	0	0	11413	0	0	0	0	1					
577	0.25	-0.04	22	42	11403	0	11403	0	0	11445	0	0	0	0	4	0					
578	0.49	-0.98	12	31	11415	11415	0	0	11446	0	0	0	0	0	9	0					
579	0.46	0.03	13	43	11428	0	0	11428	0	0	11471	0	0	0	0	15					
580	0.66	1.26	7	56	11435	0	11445	0	0	11501	0	0	10	0	0	0					
581	0.21	-1.56	26	25	11461	11461	0	0	11486	0	0	0	0	0	15	0					
582	0.26	-1.52	22	25	11483	0	0	11483	0	0	11508	0	0	0	0	12					
583	0.33	0.29	18	46	11501	11501	0	0	11547	0	0	0	0	0	15	0					
584	0.04	-0.19	53	40	11554	0	11554	0	0	11594	0	0	0	0	53	0					
585	0.61	1.88	8	63	11562	0	0	11562	0	0	11625	0	0	0	0	54					
586	0.69	-0.13	6	41	11568	11568	0	0	11609	0	0	0	0	0	21	0					
587	0.32	1.09	18	54	11586	0	11594	0	0	11648	0	0	8	0	0	0					
588	0.49	1.50	12	59	11598	11609	0	0	11668	0	0	11	0	0	0	0					
589	0.56	0.08	9	43	11607	0	0	11625	0	0	11668	0	0	18	0	0					
590	0.31	0.71	19	50	11626	0	11648	0	0	11698	0	0	22	0	0	0					
591	0.10	-0.85	38	33	11664	11668	0	0	11701	0	0	4	0	0	0	0					
592	0.58	-0.95	9	32	11673	0	0	11673	0	0	11705	0	0	0	0	5					
593	0.61	-0.52	8	36	11681	0	11698	0	0	11734	0	0	17	0	0	0					
594	0.48	0.29	12	45	11693	11701	0	0	11746	0	0	8	0	0	0	0					
595	0.69	-0.31	6	39	11699	0	0	11705	0	0	11744	0	0	6	0	0					
596	0.13	-1.28	33	28	11732	0	11734	0	0	11762	0	0	2	0	0	0					
597	0.38	-1.05	16	30	11748	0	0	11748	0	0	11778	0	0	0	0	4					
598	0.28	0.64	20	49	11768	11768	0	0	11817	0	0	0	0	0	22	0					
599	0.57	1.78	9	62	11777	0	11777	0	0	11839	0	0	0	0	15	0					
600	0.63	1.02	8	54	11785	0	0	11785	0	0	11839	0	0	0	0	7					
T O T A L												872	783	705	3459	3309	3251				

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT			
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3	
550	0.03	1.16	54	55	10215	10215	0	0	10270	0	0	0	0	0	0	70	0	0
551	0.42	0.05	13	43	10228	0	10228	0	0	10271	0	0	0	0	0	0	48	0
552	0.63	-0.18	7	40	10235	0	0	10235	0	0	10275	0	0	0	0	0	0	45
553	0.10	0.62	34	49	10269	10270	0	0	10319	0	0	0	1	0	0	0	0	0
554	0.20	-1.46	23	26	10292	0	10292	0	0	10318	0	0	0	0	0	0	21	0
555	0.53	1.83	9	63	10301	0	0	10301	0	0	10364	0	0	0	0	0	0	26
556	0.53	-0.31	9	39	10310	0	10318	0	0	10357	0	0	0	8	0	0	0	0
557	0.65	0.41	6	47	10316	10319	0	0	10366	0	0	0	3	0	0	0	0	0
558	0.59	1.37	8	58	10324	0	10357	0	0	10415	0	0	0	33	0	0	0	0
559	0.59	0.54	8	48	10332	0	0	10364	0	0	10412	0	0	0	32	0	0	0
560	0.09	1.36	35	58	10367	10367	0	0	10425	0	0	0	0	0	0	1	0	0
561	0.05	0.06	43	43	10410	0	0	10412	0	0	10455	0	0	0	2	0	0	0
562	0.34	-1.38	16	27	10426	10426	0	0	10453	0	0	0	0	0	0	1	0	0
563	0.26	-1.21	20	29	10446	0	10446	0	0	10475	0	0	0	0	0	0	31	0
564	0.12	-0.46	31	37	10477	0	0	10477	0	0	10514	0	0	0	0	0	0	22
565	0.58	-0.16	8	40	10485	10485	0	0	10525	0	0	0	0	0	0	32	0	0
566	0.18	-0.34	25	38	10510	0	10510	0	0	10548	0	0	0	0	0	0	35	0
567	0.17	1.09	26	54	10536	0	0	10536	0	0	10590	0	0	0	0	0	0	22
568	0.59	-0.23	8	40	10544	10544	0	0	10584	0	0	0	0	0	0	19	0	0
569	0.52	-1.40	10	27	10554	0	10554	0	0	10581	0	0	0	0	0	0	6	0
570	0.16	-1.24	27	28	10581	0	10581	0	0	10609	0	0	0	0	0	0	0	0
571	0.22	1.03	22	54	10603	0	0	10603	0	0	10657	0	0	0	0	0	0	13
572	0.34	-0.44	16	37	10619	10619	0	0	10656	0	0	0	0	0	0	35	0	0
573	0.15	-0.30	28	39	10647	0	10647	0	0	10686	0	0	0	0	0	0	38	0
574	0.43	-0.40	12	38	10659	0	0	10659	0	0	10697	0	0	0	0	0	0	2
575	0.32	-0.23	17	40	10676	10676	0	0	10716	0	0	0	0	0	0	20	0	0
576	0.11	-0.15	32	41	10708	0	0	10708	0	0	10749	0	0	0	0	0	0	11
577	0.40	-0.22	13	40	10721	10721	0	0	10761	0	0	0	0	0	0	5	0	0
578	0.12	-0.87	32	33	10753	0	10753	0	0	10786	0	0	0	0	0	0	67	0
579	0.42	-0.16	13	40	10766	0	0	10766	0	0	10806	0	0	0	0	0	0	17
580	0.53	-0.71	9	34	10775	10775	0	0	10809	0	0	0	0	0	0	14	0	0
581	0.67	0.32	6	46	10781	0	10786	0	0	10832	0	0	5	0	0	0	0	0
582	0.40	-0.63	14	35	10795	0	0	10806	0	0	10841	0	0	11	0	0	0	0
583	0.06	0.50	41	48	10836	10836	0	0	10884	0	0	0	0	0	0	27	0	0
584	0.67	0.58	6	49	10842	0	10842	0	0	10891	0	0	0	0	0	0	10	0
585	0.24	0.06	21	43	10863	0	0	10863	0	0	10906	0	0	0	0	0	0	22
586	0.66	0.01	6	42	10869	10884	0	0	10926	0	0	15	0	0	0	0	0	0
587	0.34	0.06	16	43	10885	0	10891	0	0	10934	0	0	6	0	0	0	0	0
588	0.49	0.72	10	50	10895	0	0	10906	0	0	10956	0	0	11	0	0	0	0
589	0.65	-0.23	6	40	10901	10926	0	0	10966	0	0	25	0	0	0	0	0	0
590	0.68	0.64	6	49	10907	0	10934	0	0	10983	0	0	27	0	0	0	0	0
591	0.15	-0.41	28	38	10935	0	0	10956	0	0	10994	0	0	21	0	0	0	0
592	0.33	0.35	16	46	10951	10966	0	0	11012	0	0	15	0	0	0	0	0	0
593	0.39	0.64	14	49	10965	0	10983	0	0	11032	0	0	18	0	0	0	0	0
594	0.02	-0.57	54	36	11019	0	0	11019	0	0	11055	0	0	0	0	0	0	25
595	0.39	0.68	14	50	11033	11033	0	0	11083	0	0	0	0	0	0	21	0	0
596	0.39	1.63	14	60	11047	0	11047	0	0	11107	0	0	6	0	0	0	15	0
597	0.51	-0.30	10	39	11057	0	0	11057	0	0	11096	0	0	0	0	0	0	2
598	0.32	-0.16	17	41	11074	11083	0	0	11124	0	0	9	0	0	0	0	0	0
599	0.37	-1.80	15	22	11089	0	0	11096	0	0	11118	0	0	7	0	0	0	0
600	0.49	1.22	10	56	11099	0	11107	0	0	11163	0	0	8	0	0	0	0	0
T O T A L												1119	1120	1123	2692	2595	2728	

No	RN1	RN2	ARR	SER	TAR	ART			SET			WT			IT		
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
550	0.50	-1.12	10	30	10087	10111	0	0	10141	0	0	24	0	0	0	0	0
551	0.29	1.21	17	56	10104	0	0	10119	0	0	10175	0	0	15	0	0	
552	0.35	1.21	15	56	10119	0	10121	0	0	10177	0	0	2	0	0		
553	0.47	0.81	11	51	10130	10141	0	0	10192	0	0	11	0	0	0	0	
554	0.66	-1.20	6	29	10136	0	0	10175	0	0	10204	0	0	39	0	0	
555	0.58	-0.03	8	42	10144	0	10177	0	0	10219	0	0	33	0	0		
556	0.04	0.54	44	48	10188	10192	0	0	10240	0	0	4	0	0	0	0	
557	0.23	-0.95	20	32	10208	0	0	10208	0	0	10240	0	0	0	0	4	
558	0.62	1.75	7	62	10215	0	10219	0	0	10281	0	0	4	0	0		
559	0.01	0.49	59	48	10274	0	0	10274	0	0	10322	0	0	0	0	34	
560	0.04	1.10	43	55	10317	0	10317	0	0	10372	0	0	0	0	36		
561	0.46	-0.45	11	37	10328	0	0	10328	0	0	10365	0	0	0	0	6	
562	0.19	0.27	23	45	10351	10351	0	0	10396	0	0	0	0	111	0		
563	0.63	-0.98	6	31	10357	0	0	10365	0	0	10396	0	8	0	0		
564	0.62	-1.33	7	27	10364	0	10372	0	0	10399	0	0	8	0	0		
565	0.27	-0.09	18	41	10382	10396	0	0	10437	0	0	14	0	0	0	0	
566	0.10	1.58	32	60	10414	0	10414	0	0	10474	0	0	0	0	15		
567	0.43	0.87	12	52	10426	0	0	10426	0	0	10478	0	0	0	0	30	
568	0.04	-1.46	45	26	10471	10471	0	0	10497	0	0	0	0	34	0		
569	0.32	2.07	16	65	10487	0	10487	0	0	10552	0	0	0	0	13		
570	0.06	-0.26	39	39	10526	0	0	10526	0	0	10565	0	0	0	0	48	
571	0.59	-0.19	7	40	10533	10533	0	0	10573	0	0	0	0	36	0		
572	0.40	0.64	13	49	10546	0	10552	0	0	10601	0	0	6	0	0		
573	0.31	2.47	16	70	10562	0	0	10565	0	0	10635	0	3	0	0		
574	0.07	-0.91	37	32	10599	10599	0	0	10631	0	0	0	0	26	0		
575	0.54	1.50	9	59	10608	0	10608	0	0	10667	0	0	0	0	7		
576	0.31	-0.34	16	38	10624	10631	0	0	10669	0	0	7	0	0	0		
577	0.03	1.39	51	58	10675	0	0	10675	0	0	10733	0	0	0	0	40	
578	0.06	0.53	40	48	10715	0	10715	0	0	10763	0	0	0	0	48		
579	0.40	-0.28	13	39	10728	10728	0	0	10767	0	0	0	0	59	0		
580	0.24	0.48	20	48	10748	0	0	10748	0	0	10796	0	0	0	0	15	
581	0.60	-0.02	7	42	10755	0	10763	0	0	10805	0	8	0	0	0		
582	0.03	0.33	51	46	10806	0	0	10806	0	0	10852	0	0	0	0	10	
583	0.06	0.28	39	45	10845	10845	0	0	10890	0	0	0	0	78	0		
584	0.07	-1.34	37	27	10882	0	10882	0	0	10909	0	0	0	0	77		
585	0.45	-0.02	11	42	10893	0	0	10893	0	0	10935	0	0	0	0	41	
586	0.30	-0.86	17	33	10910	10910	0	0	10943	0	0	0	0	20	0		
587	0.46	-0.03	11	42	10921	0	10921	0	0	10963	0	0	0	0	12		
588	0.46	-1.27	11	28	10932	0	0	10935	0	0	10963	0	3	0	0		
589	0.63	-1.14	6	30	10938	10943	0	0	10973	0	0	5	0	0	0		
590	0.23	-0.50	21	37	10959	0	10963	0	0	11000	0	0	4	0	0		
591	0.28	-0.65	18	35	10977	0	0	10977	0	0	11012	0	0	0	0	14	
592	0.21	-0.93	22	32	10999	10999	0	0	11031	0	0	0	0	26	0		
593	0.30	1.07	17	54	11016	0	11016	0	0	11070	0	0	0	0	16		
594	0.22	-1.19	21	29	11037	0	0	11037	0	0	11066	0	0	0	0	25	
595	0.63	-0.18	6	40	11043	11043	0	0	11083	0	0	0	0	12	0		
596	0.61	-0.58	7	36	11050	0	0	11066	0	0	11102	0	16	0	0		
597	0.52	1.30	9	57	11059	0	11070	0	0	11127	0	0	11	0	0		
598	0.28	0.11	18	43	11077	11083	0	0	11126	0	0	6	0	0	0		
599	0.45	2.31	11	68	11088	0	0	11102	0	0	11170	0	14	0	0		
600	0.67	-0.61	6	35	11094	11126	0	0	11161	0	0	32	0	0	0		
T O T A L												1164	1197	1173	2694	2712	2495

No	RN1	RN2	ARR	SER	TAR	ART				SET				WT				IT			
						ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
1	0.25	-0.47	21	37	21	21	0	0	0	58	0	0	0	0	0	0	0	21	0	0	0
2	0.68	-0.25	6	40	27	0	27	0	0	0	67	0	0	0	0	0	0	0	27	0	0
3	0.14	-0.66	30	35	57	0	0	57	0	0	0	92	0	0	0	0	0	0	0	57	0
4	0.37	-0.32	15	39	72	0	0	0	72	0	0	0	111	0	0	0	0	0	0	0	72
5	0.26	-0.93	21	32	93	93	0	0	0	125	0	0	0	0	0	0	0	35	0	0	0
6	0.09	0.83	37	51	130	0	130	0	0	0	181	0	0	0	0	0	0	0	63	0	0
7	0.25	-1.77	22	22	152	0	0	152	0	0	0	174	0	0	0	0	0	0	0	60	0
8	0.26	0.53	21	48	173	0	0	0	173	0	0	0	221	0	0	0	0	0	0	0	62
9	0.34	1.38	17	58	190	190	0	0	0	248	0	0	0	0	0	0	0	0	0	0	0
10	0.30	0.51	19	48	209	0	209	0	0	0	257	0	0	0	0	0	0	65	0	0	0
11	0.36	1.34	16	57	225	0	0	225	0	0	0	282	0	0	0	0	0	0	28	0	0
12	0.61	-1.07	8	30	233	0	0	0	233	0	0	0	263	0	0	0	0	0	0	51	0
13	0.05	0.33	46	46	279	279	0	0	0	325	0	0	0	0	0	0	0	0	0	0	12
14	0.41	-0.76	14	34	293	0	293	0	0	0	327	0	0	0	0	0	0	31	0	0	0
15	0.33	-0.82	17	33	310	0	0	310	0	0	0	343	0	0	0	0	0	0	0	36	0
16	0.42	1.80	13	62	323	0	0	0	323	0	0	0	385	0	0	0	0	0	0	28	0
17	0.41	0.33	14	46	337	337	0	0	0	383	0	0	0	0	0	0	0	0	0	0	60
18	0.60	-0.64	8	35	345	0	345	0	0	0	380	0	0	0	0	0	0	12	0	0	0
19	0.55	0.01	9	42	354	0	0	354	0	0	0	396	0	0	0	0	0	0	18	0	0
20	0.39	-0.43	15	37	369	0	380	0	0	0	417	0	0	0	11	0	0	0	0	11	0
21	0.65	-1.42	7	26	376	383	0	0	0	409	0	0	0	7	0	0	0	0	0	0	0
22	0.43	-0.42	13	38	389	0	0	0	389	0	0	0	427	0	0	0	0	0	0	0	4
23	0.69	-1.16	6	29	395	0	0	396	0	0	0	425	0	0	1	0	0	0	0	0	0
24	0.12	-0.41	33	38	428	0	0	0	428	0	0	0	466	0	0	0	0	0	0	0	1
25	0.49	1.07	11	54	439	439	0	0	0	493	0	0	0	0	0	0	0	30	0	0	0
26	0.49	1.10	11	55	450	0	450	0	0	0	505	0	0	0	0	0	0	0	33	0	0
27	0.42	-0.22	13	40	463	0	0	463	0	0	0	503	0	0	0	0	0	0	0	38	0
28	0.18	1.33	26	57	489	0	0	0	489	0	0	0	546	0	0	0	0	0	0	0	23
29	0.24	0.83	22	52	511	511	0	0	0	563	0	0	0	0	0	0	0	18	0	0	0
30	0.44	-0.77	13	34	524	0	524	0	0	0	558	0	0	0	0	0	0	0	0	0	0
31	0.37	-0.04	15	42	539	0	0	539	0	0	0	581	0	0	0	0	0	0	19	0	0
32	0.41	0.62	14	49	553	0	0	0	553	0	0	0	602	0	0	0	0	0	0	36	0
33	0.31	-0.32	18	39	571	571	0	0	0	610	0	0	0	0	0	0	0	0	0	0	7
34	0.11	-1.05	34	31	605	0	605	0	0	0	636	0	0	0	0	0	0	8	0	0	0
35	0.16	-0.78	28	33	633	0	0	633	0	0	0	666	0	0	0	0	0	0	47	0	0

No	RN1	RN2	ARR	SER	TAR	ART				SET				WT				IT			
						ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
36	0.08	1.01	39	54	671	0	0	0	671	0	0	0	725	0	0	0	0	0	0	0	69
37	0.47	0.28	12	45	683	683	0	0	0	728	0	0	0	0	0	0	0	73	0	0	0
38	0.19	1.96	26	64	709	0	709	0	0	0	773	0	0	0	0	0	0	0	73	0	0
39	0.41	0.15	14	44	723	0	0	723	0	0	0	767	0	0	0	0	0	0	0	57	0
40	0.37	-0.43	15	37	738	0	0	0	738	0	0	0	775	0	0	0	0	0	0	0	13
41	0.47	0.12	12	44	750	750	0	0	0	794	0	0	0	0	0	0	0	22	0	0	0
42	0.58	0.05	8	43	758	0	0	767	0	0	0	810	0	0	0	9	0	0	0	0	0
43	0.17	-0.99	27	31	785	0	785	0	0	0	816	0	0	0	0	0	0	0	12	0	0
44	0.50	0.34	11	46	796	0	0	0	796	0	0	0	842	0	0	0	0	0	0	0	21
45	0.18	-0.66	26	35	822	822	0	0	0	857	0	0	0	0	0	0	0	28	0	0	0
46	0.70	0.47	6	48	828	0	828	0	0	0	876	0	0	0	0	0	0	0	12	0	0
47	0.45	-2.03	12	20	840	0	0	840	0	0	0	860	0	0	0	0	0	0	0	30	0
48	0.30	-0.82	19	33	859	0	0	0	859	0	0	0	892	0	0	0	0	0	0	0	17
49	0.07	2.09	41	66	900	900	0	0	0	966	0	0	0	0	0	0	0	43	0	0	0
50	0.31	-0.09	18	41	918	0	918	0	0	0	959	0	0	0	0	0	0	0	42	0	0
51	0.14	-0.55	30	36	948	0	0	948	0	0	0	984	0	0	0	0	0	0	0	88	0
52	0.35	-0.48	16	37	964	0	0	0	964	0	0	0	1001	0	0	0	0	0	0	0	72
53	0.11	1.91	34	64	998	998	0	0	0	1062	0	0	0	0	0	0	0	32	0	0	0
54	0.44	0.45	13	47	1011	0	1011	0	0	0	1058	0	0	0	0	0	0	0	52	0	0
55	0.31	-0.35	18	38	1029	0	0	1029	0	0	0	1067	0	0	0	0	0	0	0	45	0
56	0.66	0.92	6	53	1035	0	0	0	1035	0	0	0	1088	0	0	0	0	0	0	0	34
57	0.48	-1.09	11	30	1046	0	1058	0	0	0	1088	0	0	0	0	12	0	0	0	0	0
58	0.51	0.69	10	50	1056	1062	0	0	0	1112	0	0	0	0	6	0	0	0	0	0	0
59	0.44	0.98	13	53	1069	0	0	1069	0	0	0	1122	0	0	0	0	0	0	0	2	0
60	0.49	-1.50	11	25	1080	0	1088	0	0	0	1113	0	0	0	0	8	0	0	0	0	0
61	0.69	1.84	6	63	1086	0	0	0	1088	0	0	0	1151	0	0	0	2	0	0	0	0
62	0.26	1.08	21	54	1107	1112	0	0	0	1166	0	0	0	0	5	0	0	0	0	0	0
63	0.39	0.73	14	50	1121	0	1121	0	0	0	1171	0	0	0	0	0	0	0	8	0	0
64	0.54	-1.11	10	30	1131	0	0	1131	0	0	0	1161	0	0	0	0	0	0	0	9	0
65	0.59	0.00	8	42	1139	0	0	0	1151	0	0	0	1193	0	0	0	12	0	0	0	0
66	0.59	-0.85	8	33	1147	0	0	1161	0	0	0	1194	0	0	0	14	0	0	0	0	0
67	0.57	0.28	9	45	1156	1166	0	0	0	1211	0	0	0	0	10	0	0	0	0	0	0
68	0.13	0.46	32	47	1188	0	1188	0	0	0	1235	0	0	0	0	0	0	0	17	0	0
69	0.20	-0.28	25	39	1213	0	0	0	1213	0	0	0	1252	0	0	0	0	0	0	0	20
70	0.64	0.03	7	43	1220	1220	0	0	0	1263	0	0	0	0	0	0	0	9	0	0	0

No					ART				SET				WT				IT				
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
71	0.58	1.06	8	54	1228	0	0	1228	0	0	0	1282	0	0	0	0	0	0	0	34	0
72	0.22	-0.19	23	40	1251	0	1251	0	0	0	1291	0	0	0	0	0	0	0	16	0	0
73	0.59	-1.48	8	26	1259	0	0	0	1259	0	0	0	1285	0	0	0	0	0	0	0	7
74	0.11	-1.03	35	31	1294	1294	0	0	0	1325	0	0	0	0	0	0	0	31	0	0	0
75	0.03	-1.19	55	29	1349	0	0	1349	0	0	0	1378	0	0	0	0	0	0	0	67	0
76	0.28	-0.19	20	40	1369	0	0	0	1369	0	0	0	1409	0	0	0	0	0	0	0	84
77	0.52	0.68	10	50	1379	1379	0	0	0	1429	0	0	0	0	0	0	0	54	0	0	0
78	0.31	-1.93	18	21	1397	0	1397	0	0	0	1418	0	0	0	0	0	0	0	106	0	0
79	0.03	0.10	52	43	1449	0	0	1449	0	0	0	1492	0	0	0	0	0	0	0	71	0
80	0.40	0.29	14	45	1463	0	0	0	1463	0	0	0	1508	0	0	0	0	0	0	0	54
81	0.25	0.19	21	44	1484	1484	0	0	0	1528	0	0	0	0	0	0	0	55	0	0	0
82	0.42	2.42	13	69	1497	0	1497	0	0	0	1566	0	0	0	0	0	0	0	79	0	0
83	0.67	-0.01	6	42	1503	0	0	1503	0	0	0	1545	0	0	0	0	0	0	0	11	0
84	0.12	1.07	32	54	1535	0	0	0	1535	0	0	0	1589	0	0	0	0	0	0	0	27
85	0.17	-1.93	28	21	1563	1563	0	0	0	1584	0	0	0	0	0	0	0	35	0	0	0
86	0.09	-1.06	36	30	1599	0	1599	0	0	0	1629	0	0	0	0	0	0	0	33	0	0
87	0.36	-1.97	16	20	1615	0	0	1615	0	0	0	1635	0	0	0	0	0	0	0	70	0
88	0.37	-1.40	15	27	1630	0	0	0	1630	0	0	0	1657	0	0	0	0	0	0	0	41
89	0.42	1.63	13	61	1643	1643	0	0	0	1704	0	0	0	0	0	0	0	59	0	0	0
90	0.07	0.69	41	50	1684	0	1684	0	0	0	1734	0	0	0	0	0	0	0	55	0	0
91	0.56	0.13	9	44	1693	0	0	1693	0	0	0	1737	0	0	0	0	0	0	0	58	0
92	0.33	1.13	17	55	1710	0	0	0	1710	0	0	0	1765	0	0	0	0	0	0	0	53
93	0.04	-1.64	50	24	1760	1760	0	0	0	1784	0	0	0	0	0	0	0	56	0	0	0
94	0.64	0.97	7	53	1767	0	1767	0	0	0	1820	0	0	0	0	0	0	0	33	0	0
95	0.30	0.41	18	47	1785	0	0	1785	0	0	0	1832	0	0	0	0	0	0	0	48	0
96	0.48	1.60	11	60	1796	0	0	0	1796	0	0	0	1856	0	0	0	0	0	0	0	31
97	0.69	0.54	6	48	1802	1802	0	0	0	1850	0	0	0	0	0	0	0	18	0	0	0
98	0.69	0.58	6	49	1808	0	1820	0	0	0	1869	0	0	0	12	0	0	0	0	0	0
99	0.49	1.51	11	59	1819	0	0	1832	0	0	0	1891	0	0	13	0	0	0	0	0	0
100	0.17	2.48	28	70	1847	1850	0	0	0	1920	0	0	0	3	0	0	0	0	0	0	0
101	0.16	-0.97	28	31	1875	0	0	0	1875	0	0	0	1906	0	0	0	0	0	0	0	19
102	0.69	0.79	6	51	1881	0	1881	0	0	0	1932	0	0	0	0	0	0	0	12	0	0
103	0.10	0.91	35	52	1916	0	0	1916	0	0	0	1968	0	0	0	0	0	0	0	25	0
104	0.49	-0.90	11	32	1927	0	0	0	1927	0	0	0	1959	0	0	0	0	0	0	0	21
105	0.03	-0.22	52	40	1979	1979	0	0	0	2019	0	0	0	0	0	0	0	59	0	0	0

No	RN1	RN2	ARR	SER	TAR	ART				SET				WT				IT				
						ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4	
106	0.65	-1.44	7	26	1986	0	1986	0	0	0	2012	0	0	0	0	0	0	0	0	54	0	0
107	0.10	-1.21	36	29	2022	0	0	2022	0	0	0	2051	0	0	0	0	0	0	0	0	54	0
108	0.04	0.78	49	51	2071	0	0	0	2071	0	0	0	2122	0	0	0	0	0	0	0	0	112
109	0.13	0.95	31	53	2102	2102	0	0	0	2155	0	0	0	0	0	0	0	83	0	0	0	0
110	0.66	0.33	6	46	2108	0	2108	0	0	0	2154	0	0	0	0	0	0	0	0	96	0	0
111	0.22	-0.25	23	39	2131	0	0	2131	0	0	0	2170	0	0	0	0	0	0	0	0	80	0
112	0.07	-0.68	41	35	2172	0	0	0	2172	0	0	0	2207	0	0	0	0	0	0	0	0	50
113	0.41	-0.61	14	35	2186	2186	0	0	0	2221	0	0	0	0	0	0	0	31	0	0	0	0
114	0.16	-0.21	28	40	2214	0	2214	0	0	0	2254	0	0	0	0	0	0	0	0	60	0	0
115	0.49	-2.29	11	17	2225	0	0	2225	0	0	0	2242	0	0	0	0	0	0	0	0	55	0
116	0.56	-0.84	9	33	2234	0	0	0	2234	0	0	0	2267	0	0	0	0	0	0	0	0	27
117	0.54	0.11	10	43	2244	2244	0	0	0	2287	0	0	0	0	0	0	0	23	0	0	0	0
118	0.08	-1.13	39	30	2283	0	2283	0	0	0	2313	0	0	0	0	0	0	0	0	29	0	0
119	0.17	0.70	27	50	2310	0	0	2310	0	0	0	2360	0	0	0	0	0	0	0	0	68	0
120	0.38	-0.56	15	36	2325	0	0	0	2325	0	0	0	2361	0	0	0	0	0	0	0	0	58
121	0.12	1.85	32	63	2357	2357	0	0	0	2420	0	0	0	0	0	0	0	70	0	0	0	0
122	0.10	1.91	36	64	2393	0	2393	0	0	0	2457	0	0	0	0	0	0	0	0	80	0	0
123	0.11	0.55	34	48	2427	0	0	2427	0	0	0	2475	0	0	0	0	0	0	0	0	67	0
124	0.16	-0.34	28	38	2455	0	0	0	2455	0	0	0	2493	0	0	0	0	0	0	0	0	94
125	0.26	0.15	21	44	2476	2476	0	0	0	2520	0	0	0	0	0	0	0	56	0	0	0	0
126	0.23	1.33	23	57	2499	0	2499	0	0	0	2556	0	0	0	0	0	0	0	0	42	0	0
127	0.08	-0.14	38	41	2537	0	0	2537	0	0	0	2578	0	0	0	0	0	0	0	0	62	0
128	0.38	0.23	15	45	2552	0	0	0	2552	0	0	0	2597	0	0	0	0	0	0	0	0	59
129	0.65	1.48	7	59	2559	2559	0	0	0	2618	0	0	0	0	0	0	0	39	0	0	0	0
130	0.32	0.13	18	44	2577	0	2577	0	0	0	2621	0	0	0	0	0	0	0	0	21	0	0
131	0.61	2.32	8	68	2585	0	0	2585	0	0	0	2653	0	0	0	0	0	0	0	0	7	0
132	0.58	0.53	8	48	2593	0	0	0	2597	0	0	0	2645	0	0	0	4	0	0	0	0	0
133	0.68	-1.53	6	25	2599	2618	0	0	0	2643	0	0	0	19	0	0	0	0	0	0	0	0
134	0.56	-0.38	9	38	2608	0	2621	0	0	0	2659	0	0	0	13	0	0	0	0	0	0	0
135	0.43	-0.27	13	39	2621	2643	0	0	0	2682	0	0	0	22	0	0	0	0	0	0	0	0
136	0.56	0.33	9	46	2630	0	0	0	2645	0	0	0	2691	0	0	0	15	0	0	0	0	0
137	0.67	-0.56	6	36	2636	0	0	2653	0	0	0	2689	0	0	0	17	0	0	0	0	0	0
138	0.14	1.89	31	63	2667	0	2667	0	0	0	2730	0	0	0	0	0	0	0	0	8	0	0
139	0.24	1.69	22	61	2689	2689	0	0	0	2750	0	0	0	0	0	0	0	7	0	0	0	0
140	0.38	0.06	15	43	2704	0	0	2704	0	0	0	2747	0	0	0	0	0	0	0	15	0	0

No						ART				SET				WT				IT			
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
141	0.62	-0.32	7	39	2711	0	0	0	2711	0	0	0	2750	0	0	0	0	0	0	0	20
142	0.29	-0.86	19	33	2730	0	2730	0	0	0	2763	0	0	0	0	0	0	0	0	0	0
143	0.48	0.77	11	51	2741	0	0	2747	0	0	0	2798	0	0	0	6	0	0	0	0	0
144	0.21	0.60	24	49	2765	0	0	0	2765	0	0	0	2814	0	0	0	0	0	0	0	15
145	0.42	0.28	13	45	2778	2778	0	0	0	2823	0	0	0	0	0	0	0	28	0	0	0
146	0.10	0.34	35	46	2813	0	2813	0	0	0	2859	0	0	0	0	0	0	0	50	0	0
147	0.27	0.45	20	47	2833	0	0	2833	0	0	0	2880	0	0	0	0	0	0	0	35	0
148	0.48	0.38	11	47	2844	0	0	0	2844	0	0	0	2891	0	0	0	0	0	0	0	30
149	0.26	-1.36	21	27	2865	2865	0	0	0	2892	0	0	0	0	0	0	0	42	0	0	0
150	0.32	0.63	17	49	2882	0	2882	0	0	0	2931	0	0	0	0	0	0	0	23	0	0
151	0.28	-0.02	19	42	2901	0	0	2901	0	0	0	2943	0	0	0	0	0	0	0	21	0
152	0.20	-0.93	25	32	2926	0	0	0	2926	0	0	0	2958	0	0	0	0	0	0	0	35
153	0.29	0.46	19	47	2945	2945	0	0	0	2992	0	0	0	0	0	0	0	53	0	0	0
154	0.22	0.16	23	44	2968	0	2968	0	0	0	3012	0	0	0	0	0	0	0	37	0	0
155	0.64	0.81	7	51	2975	0	0	2975	0	0	0	3026	0	0	0	0	0	0	0	32	0
156	0.29	0.81	19	51	2994	0	0	0	2994	0	0	0	3045	0	0	0	0	0	0	0	36
157	0.29	0.62	19	49	3013	3013	0	0	0	3062	0	0	0	0	0	0	0	21	0	0	0
158	0.07	-1.68	40	23	3053	0	3053	0	0	0	3076	0	0	0	0	0	0	0	41	0	0
159	0.39	-2.15	15	18	3068	0	0	3068	0	0	0	3086	0	0	0	0	0	0	0	42	0
160	0.37	1.40	15	58	3083	0	0	0	3083	0	0	0	3141	0	0	0	0	0	0	0	38
161	0.43	-0.31	13	39	3096	3096	0	0	0	3135	0	0	0	0	0	0	0	34	0	0	0
162	0.23	0.50	22	48	3118	0	3118	0	0	0	3166	0	0	0	0	0	0	0	42	0	0
163	0.67	-1.49	6	26	3124	0	0	3124	0	0	0	3150	0	0	0	0	0	0	0	38	0
164	0.52	-0.39	10	38	3134	3135	0	0	0	3173	0	0	0	1	0	0	0	0	0	0	0
165	0.35	0.74	16	51	3150	0	0	0	3150	0	0	0	3201	0	0	0	0	0	0	0	9
166	0.51	0.04	10	43	3160	0	0	3160	0	0	0	3203	0	0	0	0	0	0	0	10	0
167	0.05	0.44	46	47	3206	0	3206	0	0	0	3253	0	0	0	0	0	0	0	40	0	0
168	0.64	-0.16	7	40	3213	0	0	0	3213	0	0	0	3253	0	0	0	0	0	0	0	12
169	0.14	-0.83	31	33	3244	3244	0	0	0	3277	0	0	0	0	0	0	0	71	0	0	0
170	0.58	0.61	8	49	3252	0	0	3252	0	0	0	3301	0	0	0	0	0	0	0	49	0
171	0.09	-1.47	38	26	3290	0	3290	0	0	0	3316	0	0	0	0	0	0	0	37	0	0
172	0.61	0.31	8	46	3298	0	0	0	3298	0	0	0	3344	0	0	0	0	0	0	0	45
173	0.05	0.12	46	44	3344	3344	0	0	0	3388	0	0	0	0	0	0	0	67	0	0	0
174	0.48	0.89	11	52	3355	0	3355	0	0	0	3407	0	0	0	0	0	0	0	39	0	0
175	0.39	-1.02	14	31	3369	0	0	3369	0	0	0	3400	0	0	0	0	0	0	0	89	0

No	RN1	RN2	ARR	SER	TAR	ART				SET				WT				IT			
						ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
176	0.25	-1.67	22	24	3391	0	0	0	3391	0	0	0	3415	0	0	0	0	0	0	0	47
177	0.31	0.08	18	43	3409	3409	0	0	0	3452	0	0	0	0	0	0	0	21	0	0	0
178	0.45	0.27	12	45	3421	0	3421	0	0	0	3466	0	0	0	0	0	0	0	14	0	0
179	0.23	0.80	22	51	3443	0	0	3443	0	0	0	3494	0	0	0	0	0	0	0	43	0
180	0.16	0.03	28	43	3471	0	0	0	3471	0	0	0	3514	0	0	0	0	0	0	0	56
181	0.44	-0.06	13	42	3484	3484	0	0	0	3526	0	0	0	0	0	0	0	32	0	0	0
182	0.27	0.00	20	42	3504	0	3504	0	0	0	3546	0	0	0	0	0	0	0	38	0	0
183	0.51	-0.78	10	34	3514	0	0	3514	0	0	0	3548	0	0	0	0	0	0	0	20	0
184	0.42	0.98	13	53	3527	0	0	0	3527	0	0	0	3580	0	0	0	0	0	0	0	13
185	0.66	0.82	6	51	3533	3533	0	0	0	3584	0	0	0	0	0	0	0	7	0	0	0
186	0.33	-1.58	17	25	3550	0	3550	0	0	0	3575	0	0	0	0	0	0	0	4	0	0
187	0.16	1.21	29	56	3579	0	0	3579	0	0	0	3635	0	0	0	0	0	0	0	31	0
188	0.11	1.71	34	61	3613	0	0	0	3613	0	0	0	3674	0	0	0	0	0	0	0	33
189	0.40	-1.47	14	26	3627	3627	0	0	0	3653	0	0	0	0	0	0	0	43	0	0	0
190	0.47	-0.10	12	41	3639	0	3639	0	0	0	3680	0	0	0	0	0	0	0	64	0	0
191	0.30	1.40	19	58	3658	0	0	3658	0	0	0	3716	0	0	0	0	0	0	0	23	0
192	0.23	0.65	23	50	3681	0	0	0	3681	0	0	0	3731	0	0	0	0	0	0	0	7
193	0.66	0.56	6	49	3687	3687	0	0	0	3736	0	0	0	0	0	0	0	34	0	0	0
194	0.03	-0.42	53	38	3740	0	3740	0	0	0	3778	0	0	0	0	0	0	0	60	0	0
195	0.07	-0.09	42	41	3782	0	0	3782	0	0	0	3823	0	0	0	0	0	0	0	66	0
196	0.41	-1.41	14	27	3796	0	0	0	3796	0	0	0	3823	0	0	0	0	0	0	0	65
197	0.07	0.00	42	42	3838	3838	0	0	0	3880	0	0	0	0	0	0	0	102	0	0	0
198	0.23	-0.16	23	40	3861	0	3861	0	0	0	3901	0	0	0	0	0	0	0	83	0	0
199	0.41	-0.93	14	32	3875	0	0	3875	0	0	0	3907	0	0	0	0	0	0	0	52	0
200	0.45	0.27	12	45	3887	0	0	0	3887	0	0	0	3932	0	0	0	0	0	0	0	64
201	0.37	-0.94	15	32	3902	3902	0	0	0	3934	0	0	0	0	0	0	0	22	0	0	0
202	0.32	-1.31	17	28	3919	0	3919	0	0	0	3947	0	0	0	0	0	0	0	18	0	0
203	0.24	1.34	22	57	3941	0	0	3941	0	0	0	3998	0	0	0	0	0	0	0	34	0
204	0.16	2.41	28	69	3969	0	0	0	3969	0	0	0	4038	0	0	0	0	0	0	0	37
205	0.55	1.29	9	57	3978	3978	0	0	0	4035	0	0	0	0	0	0	0	44	0	0	0
206	0.10	0.62	35	49	4013	0	4013	0	0	0	4062	0	0	0	0	0	0	0	66	0	0
207	0.11	0.79	34	51	4047	0	0	4047	0	0	0	4098	0	0	0	0	0	0	0	49	0
208	0.64	0.45	7	47	4054	0	0	0	4054	0	0	0	4101	0	0	0	0	0	0	0	16
209	0.70	-1.35	6	27	4060	4060	0	0	0	4087	0	0	0	0	0	0	0	25	0	0	0
210	0.69	-0.27	6	39	4066	0	4066	0	0	0	4105	0	0	0	0	0	0	0	4	0	0

No						ART				SET				WT				IT			
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
211	0.43	1.57	13	60	4079	4087	0	0	0	4147	0	0	0	8	0	0	0	0	0	0	0
212	0.22	-0.41	23	38	4102	0	0	4102	0	0	0	4140	0	0	0	0	0	0	0	4	0
213	0.23	-1.22	23	29	4125	0	0	0	4125	0	0	0	4154	0	0	0	0	0	0	0	24
214	0.46	-0.19	12	40	4137	0	4137	0	0	0	4177	0	0	0	0	0	0	0	32	0	0
215	0.30	1.09	18	54	4155	0	0	4155	0	0	0	4209	0	0	0	0	0	0	0	15	0
216	0.04	0.68	49	50	4204	0	0	0	4204	0	0	0	4254	0	0	0	0	0	0	0	50
217	0.50	0.05	11	43	4215	4215	0	0	0	4258	0	0	0	0	0	0	0	68	0	0	0
218	0.18	-1.29	26	28	4241	0	4241	0	0	0	4269	0	0	0	0	0	0	0	64	0	0
219	0.28	-0.86	20	33	4261	0	0	4261	0	0	0	4294	0	0	0	0	0	0	0	52	0
220	0.09	2.08	37	65	4298	0	0	0	4298	0	0	0	4363	0	0	0	0	0	0	0	44
221	0.25	-0.24	22	40	4320	4320	0	0	0	4360	0	0	0	0	0	0	0	62	0	0	0
222	0.30	-0.55	18	36	4338	0	4338	0	0	0	4374	0	0	0	0	0	0	0	69	0	0
223	0.41	1.33	14	57	4352	0	0	4352	0	0	0	4409	0	0	0	0	0	0	0	58	0
224	0.08	1.16	39	55	4391	0	0	0	4391	0	0	0	4446	0	0	0	0	0	0	0	28
225	0.30	-0.31	19	39	4410	4410	0	0	0	4449	0	0	0	0	0	0	0	50	0	0	0
226	0.12	-1.07	32	30	4442	0	4442	0	0	0	4472	0	0	0	0	0	0	0	68	0	0
227	0.57	-0.87	9	33	4451	0	0	4451	0	0	0	4484	0	0	0	0	0	0	0	42	0
228	0.23	-0.51	23	37	4474	0	0	0	4474	0	0	0	4511	0	0	0	0	0	0	0	28
229	0.52	1.53	10	59	4484	4484	0	0	0	4543	0	0	0	0	0	0	0	35	0	0	0
230	0.23	-0.05	22	42	4506	0	4506	0	0	0	4548	0	0	0	0	0	0	0	34	0	0
231	0.22	0.89	23	52	4529	0	0	4529	0	0	0	4581	0	0	0	0	0	0	0	45	0
232	0.38	1.03	15	54	4544	0	0	0	4544	0	0	0	4598	0	0	0	0	0	0	0	33
233	0.04	-0.61	50	35	4594	4594	0	0	0	4629	0	0	0	0	0	0	0	51	0	0	0
234	0.67	-2.15	6	18	4600	0	4600	0	0	0	4618	0	0	0	0	0	0	0	52	0	0
235	0.68	1.46	6	59	4606	0	0	4606	0	0	0	4665	0	0	0	0	0	0	0	25	0
236	0.47	-0.89	12	32	4618	0	0	0	4618	0	0	0	4650	0	0	0	0	0	0	0	20
237	0.14	0.21	30	45	4648	4648	0	0	0	4693	0	0	0	0	0	0	0	19	0	0	0
238	0.24	-2.11	22	19	4670	0	4670	0	0	0	4689	0	0	0	0	0	0	0	52	0	0
239	0.15	-0.94	29	32	4699	0	0	4699	0	0	0	4731	0	0	0	0	0	0	0	34	0
240	0.62	1.70	7	61	4706	0	0	0	4706	0	0	0	4767	0	0	0	0	0	0	0	56
241	0.60	-1.90	8	21	4714	4714	0	0	0	4735	0	0	0	0	0	0	0	21	0	0	0
242	0.32	1.66	17	61	4731	0	4731	0	0	0	4792	0	0	0	0	0	0	0	42	0	0
243	0.64	-0.85	7	33	4738	0	0	4738	0	0	0	4771	0	0	0	0	0	0	0	7	0
244	0.07	0.73	42	50	4780	0	0	0	4780	0	0	0	4830	0	0	0	0	0	0	0	13
245	0.19	-1.40	25	27	4805	4805	0	0	0	4832	0	0	0	0	0	0	0	70	0	0	0

No						ART				SET				WT				IT			
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
246	0.44	-0.95	13	32	4818	0	4818	0	0	0	4850	0	0	0	0	0	0	0	26	0	0
247	0.50	-1.31	11	28	4829	0	0	4829	0	0	0	4857	0	0	0	0	0	0	0	58	0
248	0.48	0.07	11	43	4840	0	0	0	4840	0	0	0	4883	0	0	0	0	0	0	0	10
249	0.31	0.18	18	44	4858	4858	0	0	0	4902	0	0	0	0	0	0	0	26	0	0	0
250	0.50	0.24	11	45	4869	0	4869	0	0	0	4914	0	0	0	0	0	0	0	19	0	0
251	0.09	-0.23	37	40	4906	0	0	4906	0	0	0	4946	0	0	0	0	0	0	0	49	0
252	0.42	1.69	13	61	4919	0	0	0	4919	0	0	0	4980	0	0	0	0	0	0	0	36
253	0.29	-0.26	19	39	4938	4938	0	0	0	4977	0	0	0	0	0	0	0	36	0	0	0
254	0.69	-0.02	6	42	4944	0	4944	0	0	0	4986	0	0	0	0	0	0	0	30	0	0
255	0.28	-0.45	20	37	4964	0	0	4964	0	0	0	5001	0	0	0	0	0	0	0	18	0
256	0.32	1.13	17	55	4981	0	0	0	4981	0	0	0	5036	0	0	0	0	0	0	0	1
257	0.20	1.41	25	58	5006	5006	0	0	0	5064	0	0	0	0	0	0	0	29	0	0	0
258	0.17	-1.54	28	25	5034	0	5034	0	0	0	5059	0	0	0	0	0	0	0	48	0	0
259	0.44	-1.95	13	20	5047	0	0	5047	0	0	0	5067	0	0	0	0	0	0	0	46	0
260	0.17	-1.16	27	29	5074	0	0	0	5074	0	0	0	5103	0	0	0	0	0	0	0	38
261	0.22	0.40	23	47	5097	5097	0	0	0	5144	0	0	0	0	0	0	0	33	0	0	0
262	0.47	0.93	12	53	5109	0	5109	0	0	0	5162	0	0	0	0	0	0	0	50	0	0
263	0.03	0.10	52	43	5161	0	0	5161	0	0	0	5204	0	0	0	0	0	0	0	94	0
264	0.68	0.55	6	48	5167	0	0	0	5167	0	0	0	5215	0	0	0	0	0	0	0	64
265	0.29	1.02	19	54	5186	5186	0	0	0	5240	0	0	0	0	0	0	0	42	0	0	0
266	0.32	0.31	18	46	5204	0	5204	0	0	0	5250	0	0	0	0	0	0	0	42	0	0
267	0.51	-0.96	10	31	5214	0	0	5214	0	0	0	5245	0	0	0	0	0	0	0	10	0
268	0.45	-0.42	12	38	5226	0	0	0	5226	0	0	0	5264	0	0	0	0	0	0	0	11
269	0.60	-0.89	8	32	5234	5240	0	0	0	5272	0	0	0	6	0	0	0	0	0	0	0
270	0.41	-1.44	14	26	5248	0	0	5248	0	0	0	5274	0	0	0	0	0	0	0	3	0
271	0.17	0.85	28	52	5276	0	5276	0	0	0	5328	0	0	0	0	0	0	0	26	0	0
272	0.45	-0.95	12	32	5288	0	0	0	5288	0	0	0	5320	0	0	0	0	0	0	0	24
273	0.29	0.76	19	51	5307	5307	0	0	0	5358	0	0	0	0	0	0	0	35	0	0	0
274	0.65	-0.94	7	32	5314	0	0	5314	0	0	0	5346	0	0	0	0	0	0	0	40	0
275	0.59	-0.75	8	34	5322	0	0	0	5322	0	0	0	5356	0	0	0	0	0	0	0	2
276	0.12	0.05	32	43	5354	0	5354	0	0	0	5397	0	0	0	0	0	0	0	26	0	0
277	0.02	-0.46	59	37	5413	5413	0	0	0	5450	0	0	0	0	0	0	0	55	0	0	0
278	0.34	-0.58	16	36	5429	0	5429	0	0	0	5465	0	0	0	0	0	0	0	32	0	0
279	0.45	-0.51	12	37	5441	0	0	5441	0	0	0	5478	0	0	0	0	0	0	0	95	0
280	0.46	0.27	12	45	5453	0	0	0	5453	0	0	0	5498	0	0	0	0	0	0	0	97

No						ART				SET				WT				IT			
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
281	0.67	1.60	6	60	5459	5459	0	0	0	5519	0	0	0	0	0	0	0	9	0	0	0
282	0.27	2.06	20	65	5479	0	5479	0	0	0	5544	0	0	0	0	0	0	0	14	0	0
283	0.08	-0.35	38	38	5517	0	0	5517	0	0	0	5555	0	0	0	0	0	0	0	39	0
284	0.55	0.49	9	48	5526	0	0	0	5526	0	0	0	5574	0	0	0	0	0	0	0	28
285	0.67	1.36	6	57	5532	5532	0	0	0	5589	0	0	0	0	0	0	0	13	0	0	0
286	0.06	-0.26	43	39	5575	0	5575	0	0	0	5614	0	0	0	0	0	0	0	31	0	0
287	0.09	-1.56	36	25	5611	0	0	5611	0	0	0	5636	0	0	0	0	0	0	0	56	0
288	0.69	-1.27	6	28	5617	0	0	0	5617	0	0	0	5645	0	0	0	0	0	0	0	43
289	0.54	-0.47	9	37	5626	5626	0	0	0	5663	0	0	0	0	0	0	0	37	0	0	0
290	0.68	0.02	6	42	5632	0	5632	0	0	0	5674	0	0	0	0	0	0	0	18	0	0
291	0.21	-1.64	24	24	5656	0	0	5656	0	0	0	5680	0	0	0	0	0	0	0	20	0
292	0.65	-0.08	7	41	5663	0	0	0	5663	0	0	0	5704	0	0	0	0	0	0	0	18
293	0.67	-0.78	6	34	5669	5669	0	0	0	5703	0	0	0	0	0	0	0	6	0	0	0
294	0.14	-1.40	30	27	5699	0	5699	0	0	0	5726	0	0	0	0	0	0	0	25	0	0
295	0.55	-0.14	9	41	5708	0	0	5708	0	0	0	5749	0	0	0	0	0	0	0	28	0
296	0.39	0.02	14	42	5722	0	0	0	5722	0	0	0	5764	0	0	0	0	0	0	0	18
297	0.65	2.22	7	67	5729	5729	0	0	0	5796	0	0	0	0	0	0	0	26	0	0	0
298	0.52	-2.39	10	16	5739	0	5739	0	0	0	5755	0	0	0	0	0	0	0	13	0	0
299	0.42	0.49	13	48	5752	0	0	5752	0	0	0	5800	0	0	0	0	0	0	0	3	0
300	0.10	-1.21	35	29	5787	0	0	0	5787	0	0	0	5816	0	0	0	0	0	0	0	23
301	0.36	-0.80	16	33	5803	5803	0	0	0	5836	0	0	0	0	0	0	0	7	0	0	0
302	0.22	0.54	23	48	5826	0	5826	0	0	0	5874	0	0	0	0	0	0	0	71	0	0
303	0.42	-1.41	13	26	5839	0	0	5839	0	0	0	5865	0	0	0	0	0	0	0	39	0
304	0.35	-0.29	16	39	5855	0	0	0	5855	0	0	0	5894	0	0	0	0	0	0	0	39
305	0.67	1.21	6	56	5861	5861	0	0	0	5917	0	0	0	0	0	0	0	25	0	0	0
306	0.31	0.49	18	48	5879	0	5879	0	0	0	5927	0	0	0	0	0	0	0	5	0	0
307	0.48	0.41	11	47	5890	0	0	5890	0	0	0	5937	0	0	0	0	0	0	0	25	0
308	0.08	0.82	39	51	5929	0	0	0	5929	0	0	0	5980	0	0	0	0	0	0	0	35
309	0.45	0.58	12	49	5941	5941	0	0	0	5990	0	0	0	0	0	0	0	24	0	0	0
310	0.06	0.24	44	45	5985	0	5985	0	0	0	6030	0	0	0	0	0	0	0	58	0	0
311	0.44	-1.27	13	28	5998	0	0	5998	0	0	0	6026	0	0	0	0	0	0	0	61	0
312	0.61	0.84	8	52	6006	0	0	0	6006	0	0	0	6058	0	0	0	0	0	0	0	26
313	0.04	0.36	51	46	6057	6057	0	0	0	6103	0	0	0	0	0	0	0	67	0	0	0
314	0.51	0.32	10	46	6067	0	6067	0	0	0	6113	0	0	0	0	0	0	0	37	0	0
315	0.28	-0.38	20	38	6087	0	0	6087	0	0	0	6125	0	0	0	0	0	0	0	61	0

No					ART				SET				WT				IT				
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
316	0.29	0.52	19	48	6106	0	0	0	6106	0	0	0	6154	0	0	0	0	0	0	0	48
317	0.17	-0.14	27	41	6133	6133	0	0	0	6174	0	0	0	0	0	0	0	30	0	0	0
318	0.57	0.16	9	44	6142	0	6142	0	0	0	6186	0	0	0	0	0	0	0	29	0	0
319	0.17	-0.54	27	36	6169	0	0	6169	0	0	0	6205	0	0	0	0	0	0	0	44	0
320	0.36	-1.20	16	29	6185	0	0	0	6185	0	0	0	6214	0	0	0	0	0	0	0	31
321	0.08	-1.13	40	30	6225	6225	0	0	0	6255	0	0	0	0	0	0	0	51	0	0	0
322	0.33	-1.78	17	22	6242	0	6242	0	0	0	6264	0	0	0	0	0	0	0	56	0	0
323	0.35	0.35	16	46	6258	0	0	6258	0	0	0	6304	0	0	0	0	0	0	0	53	0
324	0.57	0.54	9	48	6267	0	0	0	6267	0	0	0	6315	0	0	0	0	0	0	0	53
325	0.67	0.08	6	43	6273	6273	0	0	0	6316	0	0	0	0	0	0	0	18	0	0	0
326	0.16	-0.37	29	38	6302	0	6302	0	0	0	6340	0	0	0	0	0	0	0	38	0	0
327	0.14	-0.31	30	39	6332	0	0	6332	0	0	0	6371	0	0	0	0	0	0	0	28	0
328	0.36	-0.62	16	35	6348	0	0	0	6348	0	0	0	6383	0	0	0	0	0	0	0	33
329	0.19	-0.04	26	42	6374	6374	0	0	0	6416	0	0	0	0	0	0	0	58	0	0	0
330	0.27	1.86	20	63	6394	0	6394	0	0	0	6457	0	0	0	0	0	0	0	54	0	0
331	0.07	-0.76	42	34	6436	0	0	6436	0	0	0	6470	0	0	0	0	0	0	0	65	0
332	0.19	-0.35	26	38	6462	0	0	0	6462	0	0	0	6500	0	0	0	0	0	0	0	79
333	0.68	-1.49	6	26	6468	6468	0	0	0	6494	0	0	0	0	0	0	0	52	0	0	0
334	0.10	0.11	35	43	6503	0	6503	0	0	0	6546	0	0	0	0	0	0	0	46	0	0
335	0.45	1.07	12	54	6515	0	0	6515	0	0	0	6559	0	0	0	0	0	0	0	45	0
336	0.17	0.22	28	45	6543	0	0	0	6543	0	0	0	6588	0	0	0	0	0	0	0	43
337	0.35	1.50	16	59	6559	6559	0	0	0	6618	0	0	0	0	0	0	0	65	0	0	0
338	0.09	1.04	37	54	6596	0	6596	0	0	0	6650	0	0	0	0	0	0	0	50	0	0
339	0.08	0.26	39	45	6635	0	0	6635	0	0	0	6680	0	0	0	0	0	0	0	66	0
340	0.68	0.44	6	47	6641	0	0	0	6641	0	0	0	6688	0	0	0	0	0	0	0	53
341	0.35	0.77	16	51	6657	6657	0	0	0	6708	0	0	0	0	0	0	0	39	0	0	0
342	0.28	0.16	20	44	6677	0	6677	0	0	0	6721	0	0	0	0	0	0	0	27	0	0
343	0.48	-0.08	11	41	6688	0	0	6688	0	0	0	6729	0	0	0	0	0	0	0	8	0
344	0.51	-0.88	10	32	6698	0	0	0	6698	0	0	0	6730	0	0	0	0	0	0	0	10
345	0.66	-0.38	6	38	6704	6708	0	0	0	6746	0	0	0	4	0	0	0	0	0	0	0
346	0.46	1.00	12	53	6716	0	6721	0	0	0	6774	0	0	0	5	0	0	0	0	0	0
347	0.61	1.09	8	54	6724	0	0	6729	0	0	0	6783	0	0	5	0	0	0	0	0	0
348	0.46	0.09	12	43	6736	0	0	0	6736	0	0	0	6779	0	0	0	0	0	0	0	6
349	0.33	0.50	17	48	6753	6753	0	0	0	6801	0	0	0	0	0	0	0	7	0	0	0
350	0.70	0.23	6	45	6759	0	6774	0	0	0	6819	0	0	0	15	0	0	0	0	0	0

No						ART				SET				WT				IT			
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
351	0.29	-0.27	19	39	6778	0	0	0	6779	0	0	0	6818	0	0	0	1	0	0	0	0
352	0.32	-1.01	18	31	6796	0	0	6796	0	0	0	6827	0	0	0	0	0	0	0	13	0
353	0.53	-0.26	10	39	6806	6806	0	0	0	6845	0	0	0	0	0	0	0	5	0	0	0
354	0.29	-1.33	19	27	6825	0	6825	0	0	0	6852	0	0	0	0	0	0	0	6	0	0
355	0.24	1.81	22	63	6847	0	0	6847	0	0	0	6910	0	0	0	0	0	0	0	20	0
356	0.44	1.60	13	60	6860	0	0	0	6860	0	0	0	6920	0	0	0	0	0	0	0	42
357	0.56	-1.63	9	24	6869	6869	0	0	0	6893	0	0	0	0	0	0	0	24	0	0	0
358	0.35	0.47	16	47	6885	0	6885	0	0	0	6932	0	0	0	0	0	0	0	33	0	0
359	0.16	0.84	28	52	6913	0	0	6913	0	0	0	6965	0	0	0	0	0	0	0	3	0
360	0.46	-2.21	12	18	6925	0	0	0	6925	0	0	0	6943	0	0	0	0	0	0	0	5
361	0.70	1.84	6	63	6931	6931	0	0	0	6994	0	0	0	0	0	0	0	38	0	0	0
362	0.41	-1.10	14	30	6945	0	6945	0	0	0	6975	0	0	0	0	0	0	0	13	0	0
363	0.64	0.96	7	53	6952	0	0	0	6952	0	0	0	7005	0	0	0	0	0	0	0	9
364	0.12	0.82	33	51	6985	0	0	6985	0	0	0	7036	0	0	0	0	0	0	0	20	0
365	0.64	1.70	7	61	6992	0	6992	0	0	0	7053	0	0	0	0	0	0	0	17	0	0
366	0.21	0.46	24	47	7016	7016	0	0	0	7063	0	0	0	0	0	0	0	22	0	0	0
367	0.45	0.22	12	45	7028	0	0	0	7028	0	0	0	7073	0	0	0	0	0	0	0	23
368	0.48	-2.00	11	20	7039	0	0	7039	0	0	0	7059	0	0	0	0	0	0	0	3	0
369	0.32	-1.08	18	30	7057	0	7057	0	0	0	7087	0	0	0	0	0	0	0	4	0	0
370	0.68	-1.14	6	29	7063	0	0	7063	0	0	0	7092	0	0	0	0	0	0	0	4	0
371	0.44	-0.44	13	37	7076	7076	0	0	0	7113	0	0	0	0	0	0	0	13	0	0	0
372	0.31	0.91	18	52	7094	0	0	0	7094	0	0	0	7146	0	0	0	0	0	0	0	21
373	0.43	0.32	13	46	7107	0	7107	0	0	0	7153	0	0	0	0	0	0	0	20	0	0
374	0.58	-0.72	8	34	7115	7115	0	0	0	7149	0	0	0	0	0	0	0	2	0	0	0
375	0.24	-1.98	22	20	7137	0	0	7137	0	0	0	7157	0	0	0	0	0	0	0	45	0
376	0.58	0.74	8	50	7145	0	0	0	7146	0	0	0	7196	0	0	0	1	0	0	0	0
377	0.08	-1.94	40	21	7185	7185	0	0	0	7206	0	0	0	0	0	0	0	36	0	0	0
378	0.28	-0.48	19	37	7204	0	7204	0	0	0	7241	0	0	0	0	0	0	0	51	0	0
379	0.40	-1.31	14	28	7218	0	0	7218	0	0	0	7246	0	0	0	0	0	0	0	61	0
380	0.34	-1.16	17	29	7235	0	0	0	7235	0	0	0	7264	0	0	0	0	0	0	0	39
381	0.34	-1.13	16	30	7251	7251	0	0	0	7281	0	0	0	0	0	0	0	45	0	0	0
382	0.58	0.59	8	49	7259	0	7259	0	0	0	7308	0	0	0	0	0	0	0	18	0	0
383	0.51	0.55	10	48	7269	0	0	7269	0	0	0	7317	0	0	0	0	0	0	0	23	0
384	0.52	-0.33	10	39	7279	0	0	0	7279	0	0	0	7318	0	0	0	0	0	0	0	15
385	0.06	-0.04	42	42	7321	7321	0	0	0	7363	0	0	0	0	0	0	0	40	0	0	0

No	RN1	RN2	ARR	SER	TAR	ART				SET				WT				IT			
						ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
386	0.45	-0.08	12	41	7333	0	7333	0	0	0	7374	0	0	0	0	0	0	25	0	0	
387	0.08	-0.82	40	33	7373	0	0	7373	0	0	0	7406	0	0	0	0	0	0	56	0	
388	0.28	1.96	19	64	7392	0	0	0	7392	0	0	0	7456	0	0	0	0	0	0	74	
389	0.08	-0.40	39	38	7431	7431	0	0	0	7469	0	0	0	0	0	0	68	0	0	0	
390	0.07	0.12	41	44	7472	0	7472	0	0	0	7516	0	0	0	0	0	0	98	0	0	
391	0.17	-0.35	27	38	7499	0	0	7499	0	0	0	7537	0	0	0	0	0	0	93	0	
392	0.50	-0.15	11	41	7510	0	0	0	7510	0	0	0	7551	0	0	0	0	0	0	54	
393	0.39	0.44	15	47	7525	7525	0	0	0	7572	0	0	0	0	0	0	56	0	0	0	
394	0.27	0.54	20	48	7545	0	7545	0	0	0	7593	0	0	0	0	0	0	29	0	0	
395	0.42	-0.78	13	34	7558	0	0	7558	0	0	0	7592	0	0	0	0	0	0	21	0	
396	0.49	1.96	11	64	7569	0	0	0	7569	0	0	0	7633	0	0	0	0	0	0	18	
397	0.45	0.57	12	49	7581	7581	0	0	0	7630	0	0	0	0	0	0	9	0	0	0	
398	0.47	0.23	11	45	7592	0	0	7592	0	0	0	7637	0	0	0	0	0	0	0	0	
399	0.45	-0.87	12	32	7604	0	7604	0	0	0	7636	0	0	0	0	0	0	11	0	0	
400	0.15	-0.99	29	31	7633	7633	0	0	0	7664	0	0	0	0	0	0	3	0	0	0	
401	0.62	-2.25	7	17	7640	0	0	0	7640	0	0	0	7657	0	0	0	0	0	0	7	
402	0.62	-0.75	7	34	7647	0	7647	0	0	0	7681	0	0	0	0	0	0	11	0	0	
403	0.49	0.25	11	45	7658	0	0	7658	0	0	0	7703	0	0	0	0	0	0	21	0	
404	0.56	2.28	9	68	7667	0	0	0	7667	0	0	0	7735	0	0	0	0	0	0	10	
405	0.62	-0.31	7	39	7674	7674	0	0	0	7713	0	0	0	0	0	0	10	0	0	0	
406	0.47	0.40	12	47	7686	0	7686	0	0	0	7733	0	0	0	0	0	0	5	0	0	
407	0.48	-0.28	11	39	7697	0	0	7703	0	0	0	7742	0	0	6	0	0	0	0	0	
408	0.22	1.12	23	55	7720	7720	0	0	0	7775	0	0	0	0	0	0	7	0	0	0	
409	0.23	-0.56	22	36	7742	0	0	0	7742	0	0	0	7778	0	0	0	0	0	0	7	
410	0.03	1.99	54	65	7796	0	7796	0	0	0	7861	0	0	0	0	0	0	63	0	0	
411	0.29	-0.92	19	32	7815	0	0	7815	0	0	0	7847	0	0	0	0	0	0	73	0	
412	0.19	1.85	25	63	7840	0	0	0	7840	0	0	0	7903	0	0	0	0	0	0	62	
413	0.08	-0.30	38	39	7878	7878	0	0	0	7917	0	0	0	0	0	0	103	0	0	0	
414	0.09	-1.35	36	27	7914	0	7914	0	0	0	7941	0	0	0	0	0	0	53	0	0	
415	0.35	-0.32	16	39	7930	0	0	7930	0	0	0	7969	0	0	0	0	0	0	83	0	
416	0.15	-1.77	29	22	7959	0	0	0	7959	0	0	0	7981	0	0	0	0	0	0	56	
417	0.69	0.79	6	51	7965	7965	0	0	0	8016	0	0	0	0	0	0	48	0	0	0	
418	0.12	0.50	33	48	7998	0	7998	0	0	0	8046	0	0	0	0	0	0	57	0	0	
419	0.05	0.27	47	45	8045	0	0	8045	0	0	0	8090	0	0	0	0	0	0	76	0	
420	0.41	-0.77	14	34	8059	0	0	0	8059	0	0	0	8093	0	0	0	0	0	0	78	

No	RN1	RN2	ARR	SER	TAR	ART				SET				WT				IT			
						ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
421	0.60	0.76	8	51	8067	8067	0	0	0	8118	0	0	0	0	0	0	0	51	0	0	0
422	0.24	0.40	22	47	8089	0	8089	0	0	0	8136	0	0	0	0	0	0	0	43	0	0
423	0.18	-0.47	26	37	8115	0	0	8115	0	0	0	8152	0	0	0	0	0	0	0	25	0
424	0.55	1.01	9	54	8124	0	0	0	8124	0	0	0	8178	0	0	0	0	0	0	0	31
425	0.05	-1.17	45	29	8169	8169	0	0	0	8198	0	0	0	0	0	0	0	51	0	0	0
426	0.51	1.02	11	54	8180	0	8180	0	0	0	8234	0	0	0	0	0	0	0	44	0	0
427	0.36	0.55	16	48	8196	0	0	8196	0	0	0	8244	0	0	0	0	0	0	0	44	0
428	0.12	0.12	33	44	8229	0	0	0	8229	0	0	0	8273	0	0	0	0	0	0	0	51
429	0.03	0.21	55	45	8284	8284	0	0	0	8329	0	0	0	0	0	0	0	86	0	0	0
430	0.32	0.54	18	48	8302	0	8302	0	0	0	8350	0	0	0	0	0	0	0	68	0	0
431	0.32	-1.37	17	27	8319	0	0	8319	0	0	0	8346	0	0	0	0	0	0	0	75	0
432	0.25	1.21	21	56	8340	0	0	0	8340	0	0	0	8396	0	0	0	0	0	0	0	67
433	0.30	0.10	18	43	8358	8358	0	0	0	8401	0	0	0	0	0	0	0	29	0	0	0
434	0.12	-1.00	33	31	8391	0	8391	0	0	0	8422	0	0	0	0	0	0	0	41	0	0
435	0.63	-2.12	7	19	8398	0	0	8398	0	0	0	8417	0	0	0	0	0	0	0	52	0
436	0.63	-1.26	7	28	8405	0	0	0	8405	0	0	0	8433	0	0	0	0	0	0	0	9
437	0.56	0.30	9	46	8414	8414	0	0	0	8460	0	0	0	0	0	0	0	13	0	0	0
438	0.02	-1.03	58	31	8472	0	8472	0	0	0	8503	0	0	0	0	0	0	0	50	0	0
439	0.53	1.42	10	58	8482	0	0	8482	0	0	0	8540	0	0	0	0	0	0	0	65	0
440	0.31	2.07	18	65	8500	0	0	0	8500	0	0	0	8565	0	0	0	0	0	0	0	67
441	0.11	-0.39	34	38	8534	8534	0	0	0	8572	0	0	0	0	0	0	0	74	0	0	0
442	0.49	-0.24	11	40	8545	0	8545	0	0	0	8585	0	0	0	0	0	0	0	42	0	0
443	0.18	0.19	27	44	8572	0	0	8572	0	0	0	8616	0	0	0	0	0	0	0	32	0
444	0.58	0.61	8	49	8580	0	0	0	8580	0	0	0	8629	0	0	0	0	0	0	0	15
445	0.18	-0.28	27	39	8607	8607	0	0	0	8646	0	0	0	0	0	0	0	35	0	0	0
446	0.04	1.70	51	61	8658	0	8658	0	0	0	8719	0	0	0	0	0	0	0	73	0	0
447	0.14	0.85	30	52	8688	0	0	8688	0	0	0	8740	0	0	0	0	0	0	0	72	0
448	0.55	-0.65	9	35	8697	0	0	0	8697	0	0	0	8732	0	0	0	0	0	0	0	68
449	0.04	0.73	51	50	8748	8748	0	0	0	8798	0	0	0	0	0	0	0	102	0	0	0
450	0.12	0.15	33	44	8781	0	8781	0	0	0	8825	0	0	0	0	0	0	0	62	0	0
451	0.51	1.10	10	55	8791	0	0	8791	0	0	0	8846	0	0	0	0	0	0	0	51	0
452	0.22	-0.54	23	36	8814	0	0	0	8814	0	0	0	8850	0	0	0	0	0	0	0	82
453	0.13	-0.31	31	39	8845	8845	0	0	0	8884	0	0	0	0	0	0	0	47	0	0	0
454	0.43	0.34	13	46	8858	0	8858	0	0	0	8904	0	0	0	0	0	0	0	33	0	0
455	0.44	-0.21	13	40	8871	0	0	8871	0	0	0	8911	0	0	0	0	0	0	0	25	0

No	RN1	RN2	ARR	SER	TAR	ART				SET				WT				IT			
						ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
456	0.11	-0.70	33	34	8904	0	0	0	8904	0	0	0	8938	0	0	0	0	0	0	0	54
457	0.24	-0.66	22	35	8926	8926	0	0	0	8961	0	0	0	0	0	0	0	42	0	0	0
458	0.56	-0.17	9	40	8935	0	8935	0	0	0	8975	0	0	0	0	0	0	0	31	0	0
459	0.43	0.47	13	48	8948	0	0	8948	0	0	0	8996	0	0	0	0	0	0	0	37	0
460	0.67	-1.47	6	26	8954	0	0	0	8954	0	0	0	8980	0	0	0	0	0	0	0	16
461	0.34	0.08	17	43	8971	8971	0	0	0	9014	0	0	0	0	0	0	0	10	0	0	0
462	0.66	0.20	6	45	8977	0	8977	0	0	0	9022	0	0	0	0	0	0	0	2	0	0
463	0.07	-0.47	41	37	9018	0	0	9018	0	0	0	9055	0	0	0	0	0	0	0	22	0
464	0.22	0.20	24	44	9042	0	0	0	9042	0	0	0	9086	0	0	0	0	0	0	0	62
465	0.24	0.87	22	52	9064	9064	0	0	0	9116	0	0	0	0	0	0	0	50	0	0	0
466	0.55	-1.12	9	30	9073	0	9073	0	0	0	9103	0	0	0	0	0	0	0	0	51	0
467	0.25	0.50	21	48	9094	0	0	9094	0	0	0	9142	0	0	0	0	0	0	0	39	0
468	0.48	0.63	11	49	9105	0	0	0	9105	0	0	0	9154	0	0	0	0	0	0	0	19
469	0.23	0.24	22	45	9127	9127	0	0	0	9172	0	0	0	0	0	0	0	11	0	0	0
470	0.60	0.74	8	51	9135	0	9135	0	0	0	9186	0	0	0	0	0	0	0	32	0	0
471	0.20	-0.38	25	38	9160	0	0	9160	0	0	0	9198	0	0	0	0	0	0	0	18	0
472	0.22	-1.01	23	31	9183	0	0	0	9183	0	0	0	9214	0	0	0	0	0	0	0	29
473	0.41	-0.22	14	40	9197	9197	0	0	0	9237	0	0	0	0	0	0	0	25	0	0	0
474	0.48	-0.39	11	38	9208	0	9208	0	0	0	9246	0	0	0	0	0	0	0	22	0	0
475	0.30	1.52	19	59	9227	0	0	9227	0	0	0	9286	0	0	0	0	0	0	0	29	0
476	0.08	0.61	39	49	9266	0	0	0	9266	0	0	0	9315	0	0	0	0	0	0	0	52
477	0.45	0.31	12	46	9278	9278	0	0	0	9324	0	0	0	0	0	0	0	41	0	0	0
478	0.03	0.55	56	48	9334	0	9334	0	0	0	9382	0	0	0	0	0	0	0	88	0	0
479	0.43	0.57	13	49	9347	0	0	9347	0	0	0	9396	0	0	0	0	0	0	0	61	0
480	0.27	0.14	20	44	9367	0	0	0	9367	0	0	0	9411	0	0	0	0	0	0	0	52
481	0.07	-0.61	42	35	9409	9409	0	0	0	9444	0	0	0	0	0	0	0	85	0	0	0
482	0.43	0.66	13	50	9422	0	9422	0	0	0	9472	0	0	0	0	0	0	0	40	0	0
483	0.20	1.06	25	54	9447	0	0	9447	0	0	0	9501	0	0	0	0	0	0	0	51	0
484	0.03	-0.56	55	36	9502	0	0	0	9502	0	0	0	9538	0	0	0	0	0	0	0	91
485	0.29	-1.12	19	30	9521	9521	0	0	0	9551	0	0	0	0	0	0	0	77	0	0	0
486	0.55	1.25	9	56	9530	0	9530	0	0	0	9586	0	0	0	0	0	0	0	58	0	0
487	0.19	-0.10	26	41	9556	0	0	9556	0	0	0	9597	0	0	0	0	0	0	0	55	0
488	0.63	1.21	7	56	9563	0	0	0	9563	0	0	0	9619	0	0	0	0	0	0	0	25
489	0.14	-0.41	30	38	9593	9593	0	0	0	9631	0	0	0	0	0	0	0	42	0	0	0
490	0.15	0.23	29	45	9622	0	9622	0	0	0	9667	0	0	0	0	0	0	0	36	0	0

No	ARR					ART				SET				WT				IT			
	EN1	EN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
491	0.20	-0.24	24	40	9646	0	0	9646	0	0	0	9686	0	0	0	0	0	0	0	49	0
492	0.11	-0.34	34	38	9680	0	0	0	9680	0	0	0	9718	0	0	0	0	0	0	0	61
493	0.48	1.00	11	53	9691	9691	0	0	0	9744	0	0	0	0	0	0	0	60	0	0	0
494	0.03	-1.02	54	31	9745	0	9745	0	0	0	9776	0	0	0	0	0	0	0	78	0	0
495	0.20	0.81	25	51	9770	0	0	9770	0	0	0	9821	0	0	0	0	0	0	0	84	0
496	0.32	1.80	18	62	9788	0	0	0	9788	0	0	0	9850	0	0	0	0	0	0	0	70
497	0.40	0.25	14	45	9802	9802	0	0	0	9847	0	0	0	0	0	0	0	58	0	0	0
498	0.46	-1.77	12	22	9814	0	9814	0	0	0	9836	0	0	0	0	0	0	0	38	0	0
499	0.22	-0.70	24	34	9838	0	0	9838	0	0	0	9872	0	0	0	0	0	0	0	17	0
500	0.31	-1.59	18	24	9856	0	0	0	9856	0	0	0	9880	0	0	0	0	0	0	0	6
501	0.16	-1.23	29	28	9885	9885	0	0	0	9913	0	0	0	0	0	0	0	38	0	0	0
502	0.33	0.41	17	47	9902	0	9902	0	0	0	9949	0	0	0	0	0	0	0	66	0	0
503	0.19	-1.48	26	26	9928	0	0	9928	0	0	0	9954	0	0	0	0	0	0	0	56	0
504	0.46	0.25	12	45	9940	0	0	0	9940	0	0	0	9985	0	0	0	0	0	0	0	60
505	0.13	-0.93	31	32	9971	9971	0	0	0	10003	0	0	0	0	0	0	0	58	0	0	0
506	0.67	0.98	6	53	9977	0	9977	0	0	0	10030	0	0	0	0	0	0	0	28	0	0
507	0.39	-0.23	15	40	9992	0	0	9992	0	0	0	10032	0	0	0	0	0	0	0	38	0
508	0.61	0.92	7	53	9999	0	0	0	9999	0	0	0	10052	0	0	0	0	0	0	0	14
509	0.37	1.67	15	61	10014	10014	0	0	0	10075	0	0	0	0	0	0	0	11	0	0	0
510	0.39	1.20	14	56	10028	0	10030	0	0	0	10086	0	0	0	2	0	0	0	0	0	0
511	0.02	-1.04	59	31	10087	0	0	10087	0	0	0	10118	0	0	0	0	0	0	0	55	0
512	0.26	-0.22	20	40	10107	0	0	0	10107	0	0	0	10147	0	0	0	0	0	0	0	55
513	0.14	0.37	30	46	10137	10137	0	0	0	10183	0	0	0	0	0	0	0	62	0	0	0
514	0.28	0.86	20	52	10157	0	10157	0	0	0	10209	0	0	0	0	0	0	0	71	0	0
515	0.22	-1.10	24	30	10181	0	0	10181	0	0	0	10211	0	0	0	0	0	0	0	63	0
516	0.44	-0.72	12	34	10193	0	0	0	10193	0	0	0	10227	0	0	0	0	0	0	0	46
517	0.13	0.30	31	46	10224	10224	0	0	0	10270	0	0	0	0	0	0	0	41	0	0	0
518	0.63	-0.89	7	32	10231	0	10231	0	0	0	10263	0	0	0	0	0	0	0	22	0	0
519	0.12	1.16	33	55	10264	0	0	10264	0	0	0	10319	0	0	0	0	0	0	0	53	0
520	0.30	-0.85	18	33	10282	0	0	0	10282	0	0	0	10315	0	0	0	0	0	0	0	55
521	0.24	-0.10	22	41	10304	10304	0	0	0	10345	0	0	0	0	0	0	0	34	0	0	0
522	0.57	-1.67	9	24	10313	0	10313	0	0	0	10337	0	0	0	0	0	0	0	50	0	0
523	0.65	0.33	7	46	10320	0	0	10320	0	0	0	10366	0	0	0	0	0	0	0	1	0
524	0.54	-0.74	10	34	10330	0	0	0	10330	0	0	0	10364	0	0	0	0	0	0	0	15
525	0.57	-0.92	9	32	10339	0	10339	0	0	0	10371	0	0	0	0	0	0	0	2	0	0

No						ART				SET				WT				IT			
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
526	0.51	-0.12	10	41	10349	10349	0	0	0	10390	0	0	0	0	0	0	0	4	0	0	0
527	0.18	0.56	27	49	10376	0	0	10376	0	0	0	10425	0	0	0	0	0	0	0	10	0
528	0.49	-1.59	11	25	10387	0	0	0	10387	0	0	0	10412	0	0	0	0	0	0	0	23
529	0.19	-1.55	26	25	10413	10413	0	0	0	10438	0	0	0	0	0	0	0	23	0	0	0
530	0.22	-0.79	23	33	10436	0	10436	0	0	0	10469	0	0	0	0	0	0	0	65	0	0
531	0.42	-0.42	14	38	10450	0	0	10450	0	0	0	10488	0	0	0	0	0	0	0	25	0
532	0.29	-1.61	19	24	10469	0	0	0	10469	0	0	0	10493	0	0	0	0	0	0	0	57
533	0.45	0.68	12	50	10481	10481	0	0	0	10531	0	0	0	0	0	0	0	43	0	0	0
534	0.43	0.48	13	48	10494	0	10494	0	0	0	10542	0	0	0	0	0	0	0	25	0	0
535	0.52	0.78	10	51	10504	0	0	10504	0	0	0	10555	0	0	0	0	0	0	0	16	0
536	0.51	-0.42	10	38	10514	0	0	0	10514	0	0	0	10552	0	0	0	0	0	0	0	21
537	0.54	0.52	9	48	10523	10531	0	0	0	10579	0	0	0	8	0	0	0	0	0	0	0
538	0.38	-1.54	15	25	10538	0	10542	0	0	0	10567	0	0	0	4	0	0	0	0	0	0
539	0.23	0.28	23	45	10561	0	0	10561	0	0	0	10606	0	0	0	0	0	0	0	6	0
540	0.30	0.08	18	43	10579	0	0	0	10579	0	0	0	10622	0	0	0	0	0	0	0	27
541	0.47	-2.07	12	19	10591	10591	0	0	0	10610	0	0	0	0	0	0	0	12	0	0	0
542	0.08	-0.35	39	38	10630	0	10630	0	0	0	10668	0	0	0	0	0	0	0	63	0	0
543	0.05	-0.62	45	35	10675	0	0	10675	0	0	0	10710	0	0	0	0	0	0	0	69	0
544	0.07	0.88	42	52	10717	0	0	0	10717	0	0	0	10769	0	0	0	0	0	0	0	95
545	0.55	-1.41	9	27	10726	10726	0	0	0	10753	0	0	0	0	0	0	0	116	0	0	0
546	0.25	1.90	21	64	10747	0	10747	0	0	0	10811	0	0	0	0	0	0	0	79	0	0
547	0.28	-0.33	20	39	10767	0	0	10767	0	0	0	10806	0	0	0	0	0	0	0	57	0
548	0.34	0.13	17	44	10784	0	0	0	10784	0	0	0	10828	0	0	0	0	0	0	0	15
549	0.35	0.01	16	42	10800	10800	0	0	0	10842	0	0	0	0	0	0	0	47	0	0	0
550	0.03	0.43	54	47	10854	0	10854	0	0	0	10901	0	0	0	0	0	0	0	43	0	0
551	0.24	-0.87	22	33	10876	0	0	10876	0	0	0	10909	0	0	0	0	0	0	0	70	0
552	0.31	-0.04	18	42	10894	0	0	0	10894	0	0	0	10936	0	0	0	0	0	0	0	66
553	0.04	-1.85	49	22	10943	10943	0	0	0	10965	0	0	0	0	0	0	0	101	0	0	0
554	0.34	-1.57	17	25	10960	0	10960	0	0	0	10985	0	0	0	0	0	0	0	59	0	0
555	0.11	-1.46	34	26	10994	0	0	10994	0	0	0	11020	0	0	0	0	0	0	0	85	0
556	0.65	-1.48	7	26	11001	0	0	0	11001	0	0	0	11027	0	0	0	0	0	0	0	65
557	0.36	1.80	16	62	11017	11017	0	0	0	11079	0	0	0	0	0	0	0	52	0	0	0
558	0.32	1.62	17	60	11034	0	11034	0	0	0	11094	0	0	0	0	0	0	0	49	0	0
559	0.58	0.25	8	45	11042	0	0	11042	0	0	0	11087	0	0	0	0	0	0	0	22	0
560	0.29	-0.90	19	32	11061	0	0	0	11061	0	0	0	11093	0	0	0	0	0	0	0	34

No	ART					SET				WT				IT							
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
561	0.09	1.93	36	64	11097	11097	0	0	0	11161	0	0	0	0	0	0	0	18	0	0	0
562	0.51	2.11	10	66	11107	0	11107	0	0	0	11173	0	0	0	0	0	0	0	13	0	0
563	0.44	-1.12	13	30	11120	0	0	11120	0	0	0	11150	0	0	0	0	0	0	0	33	0
564	0.26	-1.09	21	30	11141	0	0	0	11141	0	0	0	11171	0	0	0	0	0	0	0	48
565	0.17	-0.69	28	35	11169	11169	0	0	0	11204	0	0	0	0	0	0	0	8	0	0	0
566	0.68	0.32	6	46	11175	0	11175	0	0	0	11221	0	0	0	0	0	0	0	2	0	0
567	0.08	-0.30	40	39	11215	0	0	11215	0	0	0	11254	0	0	0	0	0	0	0	65	0
568	0.55	-1.52	9	25	11224	0	0	0	11224	0	0	0	11249	0	0	0	0	0	0	0	53
569	0.56	0.00	9	42	11233	11233	0	0	0	11275	0	0	0	0	0	0	0	29	0	0	0
570	0.14	-0.97	30	31	11263	0	11263	0	0	0	11294	0	0	0	0	0	0	0	42	0	0
571	0.48	-1.02	11	31	11274	0	0	11274	0	0	0	11305	0	0	0	0	0	0	0	20	0
572	0.31	1.10	18	55	11292	0	0	0	11292	0	0	0	11347	0	0	0	0	0	0	0	43
573	0.37	0.79	15	51	11307	11307	0	0	0	11358	0	0	0	0	0	0	0	32	0	0	0
574	0.41	-1.27	14	28	11321	0	11321	0	0	0	11349	0	0	0	0	0	0	0	27	0	0
575	0.14	0.05	30	43	11351	0	0	11351	0	0	0	11394	0	0	0	0	0	0	0	46	0
576	0.24	-0.61	22	35	11373	0	0	0	11373	0	0	0	11408	0	0	0	0	0	0	0	26
577	0.08	0.11	39	43	11412	11412	0	0	0	11455	0	0	0	0	0	0	0	54	0	0	0
578	0.51	1.41	10	58	11422	0	11422	0	0	0	11480	0	0	0	0	0	0	0	73	0	0
579	0.69	-2.12	6	19	11428	0	0	11428	0	0	0	11447	0	0	0	0	0	0	0	34	0
580	0.43	-0.76	13	34	11441	0	0	0	11441	0	0	0	11475	0	0	0	0	0	0	0	33
581	0.41	-0.35	14	38	11455	0	0	11455	0	0	0	11493	0	0	0	0	0	0	0	8	0
582	0.06	1.88	44	63	11499	11499	0	0	0	11562	0	0	0	0	0	0	0	44	0	0	0
583	0.49	-0.77	11	34	11510	0	11510	0	0	0	11544	0	0	0	0	0	0	0	30	0	0
584	0.36	0.46	16	47	11526	0	0	0	11526	0	0	0	11573	0	0	0	0	0	0	0	51
585	0.49	-0.30	11	39	11537	0	0	11537	0	0	0	11576	0	0	0	0	0	0	0	44	0
586	0.08	-0.40	38	38	11575	11575	0	0	0	11613	0	0	0	0	0	0	0	13	0	0	0
587	0.46	-0.35	12	38	11587	0	11587	0	0	0	11625	0	0	0	0	0	0	0	43	0	0
588	0.40	0.81	14	51	11601	0	0	11601	0	0	0	11652	0	0	0	0	0	0	0	0	28
589	0.56	-0.20	9	40	11610	0	0	11610	0	0	0	11650	0	0	0	0	0	0	0	34	0
590	0.55	-0.44	9	37	11619	11619	0	0	0	11656	0	0	0	0	0	0	0	6	0	0	0
591	0.28	0.36	20	46	11639	0	11639	0	0	0	11685	0	0	0	0	0	0	0	14	0	0
592	0.58	-0.25	8	40	11647	0	0	11650	0	0	0	11690	0	0	0	3	0	0	0	0	0
593	0.20	0.35	25	46	11672	0	0	0	11672	0	0	0	11718	0	0	0	0	0	0	0	20
594	0.22	1.26	23	56	11695	11695	0	0	0	11751	0	0	0	0	0	0	0	39	0	0	0
595	0.63	0.21	7	45	11702	0	11702	0	0	0	11747	0	0	0	0	0	0	0	17	0	0

No	RN1	RN2	ARR	SER	TAR	ART				SET				WT				IT			
						ART1	ART2	ART3	ART4	SET1	SET2	SET3	SET4	WT1	WT2	WT3	WT4	IT1	IT2	IT3	IT4
596	0.46	-1.67	12	24	11714	0	0	11714	0	0	0	11738	0	0	0	0	0	0	0	24	0
597	0.12	0.29	33	46	11747	0	0	0	11747	0	0	0	11793	0	0	0	0	0	0	0	29
598	0.15	0.70	29	50	11776	11776	0	0	0	11826	0	0	0	0	0	0	0	25	0	0	0
599	0.02	0.14	60	44	11836	0	11836	0	0	0	11880	0	0	0	0	0	0	0	89	0	0
600	0.05	0.76	47	51	11883	0	0	0	11883	0	0	0	11934	0	0	0	0	0	0	0	90
T O T A L														99	82	74	35	5343	5573	5757	5483



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

No						ART					SET					WT					IT				
	RH1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
1	0.33	-0.26	17	39	17	17	0	0	0	0	56	0	0	0	0	0	0	0	0	0	17	0	0	0	0
2	0.64	0.80	7	51	24	0	24	0	0	0	0	75	0	0	0	0	0	0	0	0	0	24	0	0	0
3	0.13	-0.98	31	31	55	0	0	55	0	0	0	0	86	0	0	0	0	0	0	0	0	0	55	0	0
4	0.04	-1.19	51	29	106	0	0	0	106	0	0	0	0	135	0	0	0	0	0	0	0	0	0	106	0
5	0.66	0.81	6	51	112	0	0	0	0	112	0	0	0	0	163	0	0	0	0	0	0	0	0	0	112
6	0.45	1.05	12	54	124	124	0	0	0	0	178	0	0	0	0	0	0	0	0	0	68	0	0	0	0
7	0.05	-1.00	45	31	169	0	169	0	0	0	0	200	0	0	0	0	0	0	0	0	0	94	0	0	0
8	0.51	-2.03	10	20	179	0	0	179	0	0	0	0	199	0	0	0	0	0	0	0	0	0	93	0	0
9	0.57	1.82	9	63	188	0	0	0	188	0	0	0	0	251	0	0	0	0	0	0	0	0	0	53	0
10	0.68	-0.56	6	36	194	0	0	0	0	194	0	0	0	0	230	0	0	0	0	0	0	0	0	0	31
11	0.19	-0.65	25	35	219	219	0	0	0	0	254	0	0	0	0	0	0	0	0	0	41	0	0	0	0
12	0.15	-0.92	29	32	248	0	248	0	0	0	0	280	0	0	0	0	0	0	0	0	0	48	0	0	0
13	0.69	1.37	6	58	254	0	0	254	0	0	0	0	312	0	0	0	0	0	0	0	0	0	55	0	0
14	0.58	-0.16	8	40	262	0	0	0	262	0	0	0	0	302	0	0	0	0	0	0	0	0	0	11	0
15	0.38	-1.27	15	28	277	0	0	0	0	277	0	0	0	0	305	0	0	0	0	0	0	0	0	0	47
16	0.65	-0.09	7	41	284	284	0	0	0	0	325	0	0	0	0	0	0	0	0	0	30	0	0	0	0
17	0.47	0.01	12	42	296	0	296	0	0	0	0	338	0	0	0	0	0	0	0	0	0	16	0	0	0
18	0.63	0.83	7	52	303	0	0	0	303	0	0	0	0	355	0	0	0	0	0	0	0	0	0	1	0
19	0.16	1.52	28	59	331	0	0	331	0	0	0	0	390	0	0	0	0	0	0	0	0	0	19	0	0
20	0.13	1.53	31	59	362	0	0	0	0	362	0	0	0	0	421	0	0	0	0	0	0	0	0	0	57
21	0.07	0.45	41	47	403	403	0	0	0	0	450	0	0	0	0	0	0	0	0	0	78	0	0	0	0
22	0.27	-1.29	20	28	423	0	423	0	0	0	0	451	0	0	0	0	0	0	0	0	0	85	0	0	0
23	0.19	-0.24	26	40	449	0	0	449	0	0	0	0	489	0	0	0	0	0	0	0	0	0	59	0	0
24	0.67	-0.91	6	32	455	0	0	0	455	0	0	0	0	487	0	0	0	0	0	0	0	0	0	100	0
25	0.32	0.48	18	48	473	0	0	0	0	473	0	0	0	0	521	0	0	0	0	0	0	0	0	0	52
26	0.09	-0.19	36	40	509	509	0	0	0	0	549	0	0	0	0	0	0	0	0	0	59	0	0	0	0
27	0.28	2.17	20	67	529	0	529	0	0	0	0	596	0	0	0	0	0	0	0	0	0	78	0	0	0
28	0.55	0.72	9	50	538	0	0	538	0	0	0	0	588	0	0	0	0	0	0	0	0	0	49	0	0
29	0.61	0.22	8	45	546	0	0	0	546	0	0	0	0	591	0	0	0	0	0	0	0	0	0	59	0
30	0.44	-1.32	13	28	559	0	0	0	0	559	0	0	0	0	587	0	0	0	0	0	0	0	0	0	38
31	0.53	-0.22	10	40	569	569	0	0	0	0	609	0	0	0	0	0	0	0	0	0	20	0	0	0	0
32	0.68	0.03	6	43	575	0	0	0	0	575	0	0	0	0	630	0	0	0	0	12	0	0	0	0	0
33	0.05	2.27	45	68	620	0	620	0	0	0	0	688	0	0	0	0	0	0	0	0	0	24	0	0	0
34	0.27	0.05	20	43	640	0	0	640	0	0	0	0	683	0	0	0	0	0	0	0	0	0	52	0	0
35	0.46	-1.16	12	29	652	0	0	0	652	0	0	0	0	681	0	0	0	0	0	0	0	0	0	61	0

No	ART					SET					WT					IT									
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
36	0.35	0.46	16	47	668	668	0	0	0	0	715	0	0	0	0	0	0	0	0	0	59	0	0	0	0
37	0.62	1.31	7	57	675	0	0	0	0	675	0	0	0	0	732	0	0	0	0	0	0	0	0	0	45
38	0.05	1.62	47	60	722	0	722	0	0	0	0	782	0	0	0	0	0	0	0	0	0	34	0	0	0
39	0.67	1.38	6	58	728	0	0	728	0	0	0	0	786	0	0	0	0	0	0	0	0	0	45	0	0
40	0.35	-1.36	16	27	744	0	0	0	744	0	0	0	0	771	0	0	0	0	0	0	0	0	0	63	0
41	0.55	-1.46	9	26	753	753	0	0	0	0	779	0	0	0	0	0	0	0	0	0	38	0	0	0	0
42	0.10	-0.76	35	34	788	0	788	0	0	0	0	822	0	0	0	0	0	0	0	0	0	6	0	0	0
43	0.56	0.42	9	47	797	0	0	797	0	0	0	0	844	0	0	0	0	0	0	0	0	0	11	0	0
44	0.03	0.83	55	51	852	0	0	0	852	0	0	0	0	903	0	0	0	0	0	0	0	0	0	81	0
45	0.53	0.04	10	43	862	0	0	0	0	862	0	0	0	0	905	0	0	0	0	0	0	0	0	0	130
46	0.58	-0.11	8	41	870	870	0	0	0	0	911	0	0	0	0	0	0	0	0	0	91	0	0	0	0
47	0.61	-0.91	8	32	878	0	878	0	0	0	0	910	0	0	0	0	0	0	0	0	0	56	0	0	0
48	0.57	0.58	9	49	887	0	0	887	0	0	0	0	936	0	0	0	0	0	0	0	0	0	43	0	0
49	0.13	0.53	32	48	919	0	0	0	919	0	0	0	0	967	0	0	0	0	0	0	0	0	0	16	0
50	0.69	0.67	6	50	925	0	0	0	0	925	0	0	0	0	975	0	0	0	0	0	0	0	0	0	20
51	0.36	0.00	16	42	941	941	0	0	0	0	983	0	0	0	0	0	0	0	0	0	30	0	0	0	0
52	0.55	-1.48	9	26	950	0	950	0	0	0	0	976	0	0	0	0	0	0	0	0	0	40	0	0	0
53	0.56	0.60	9	49	959	0	0	959	0	0	0	0	1008	0	0	0	0	0	0	0	0	0	23	0	0
54	0.08	-0.45	39	37	998	0	0	0	998	0	0	0	0	1035	0	0	0	0	0	0	0	0	0	31	0
55	0.03	0.67	53	50	1051	0	0	0	0	1051	0	0	0	0	1101	0	0	0	0	0	0	0	0	0	76
56	0.23	0.12	22	44	1073	1073	0	0	0	0	1117	0	0	0	0	0	0	0	0	0	90	0	0	0	0
57	0.21	0.07	24	43	1097	0	1097	0	0	0	0	1140	0	0	0	0	0	0	0	0	0	121	0	0	0
58	0.68	0.25	6	45	1103	0	0	1103	0	0	0	0	1148	0	0	0	0	0	0	0	0	0	95	0	0
59	0.59	0.63	8	49	1111	0	0	0	1111	0	0	0	0	1160	0	0	0	0	0	0	0	0	0	76	0
60	0.15	-1.05	29	31	1140	0	0	0	0	1140	0	0	0	0	1171	0	0	0	0	0	0	0	0	0	39
61	0.62	1.32	7	57	1147	1147	0	0	0	0	1204	0	0	0	0	0	0	0	0	0	30	0	0	0	0
62	0.59	-0.59	8	36	1155	0	1155	0	0	0	0	1191	0	0	0	0	0	0	0	0	0	15	0	0	0
63	0.63	0.02	7	42	1162	0	0	1162	0	0	0	0	1204	0	0	0	0	0	0	0	0	0	14	0	0
64	0.17	-0.58	27	36	1189	0	0	0	1189	0	0	0	0	1225	0	0	0	0	0	0	0	0	0	29	0
65	0.70	0.51	6	48	1195	0	0	0	0	1195	0	0	0	0	1243	0	0	0	0	0	0	0	0	0	24
66	0.39	-1.65	15	24	1210	1210	0	0	0	0	1234	0	0	0	0	0	0	0	0	0	6	0	0	0	0
67	0.51	-1.94	11	21	1221	0	1221	0	0	0	0	1242	0	0	0	0	0	0	0	0	0	30	0	0	0
68	0.60	0.39	8	47	1229	0	0	1229	0	0	0	0	1276	0	0	0	0	0	0	0	0	0	25	0	0
69	0.59	0.35	8	46	1237	0	0	0	1237	0	0	0	0	1283	0	0	0	0	0	0	0	0	0	12	0
70	0.52	0.88	10	52	1247	0	0	0	0	1247	0	0	0	0	1299	0	0	0	0	0	0	0	0	0	4

No	ART					SET					WT					IT									
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
71	0.61	-1.30	8	28	1255	1255	0	0	0	0	1283	0	0	0	0	0	0	0	0	0	21	0	0	0	0
72	0.26	0.03	21	43	1276	0	1276	0	0	0	0	1319	0	0	0	0	0	0	0	0	0	34	0	0	0
73	0.10	0.46	35	47	1311	0	0	1311	0	0	0	0	1358	0	0	0	0	0	0	0	0	0	35	0	0
74	0.34	-1.77	17	22	1328	0	0	0	1328	0	0	0	0	1350	0	0	0	0	0	0	0	0	0	45	0
75	0.45	0.32	12	46	1340	0	0	0	0	1340	0	0	0	0	1386	0	0	0	0	0	0	0	0	0	41
76	0.48	0.62	11	49	1351	1351	0	0	0	0	1400	0	0	0	0	0	0	0	0	0	68	0	0	0	0
77	0.49	0.62	11	49	1362	0	1362	0	0	0	0	1411	0	0	0	0	0	0	0	0	0	43	0	0	0
78	0.07	-1.38	42	27	1404	0	0	1404	0	0	0	0	1431	0	0	0	0	0	0	0	0	0	46	0	0
79	0.65	-0.35	7	38	1411	0	0	0	1411	0	0	0	0	1449	0	0	0	0	0	0	0	0	0	61	0
80	0.66	-1.09	6	30	1417	0	0	0	0	1417	0	0	0	0	1447	0	0	0	0	0	0	0	0	0	31
81	0.29	0.42	19	47	1436	1436	0	0	0	0	1483	0	0	0	0	0	0	0	0	0	36	0	0	0	0
82	0.03	0.82	54	51	1490	0	1490	0	0	0	0	1541	0	0	0	0	0	0	0	0	0	79	0	0	0
83	0.02	0.45	58	47	1548	0	0	1548	0	0	0	0	1595	0	0	0	0	0	0	0	0	0	117	0	0
84	0.21	1.73	24	62	1572	0	0	0	1572	0	0	0	0	1634	0	0	0	0	0	0	0	0	0	123	0
85	0.63	0.67	7	50	1579	0	0	0	0	1579	0	0	0	0	1629	0	0	0	0	0	0	0	0	0	132
86	0.70	-0.13	6	41	1585	1585	0	0	0	0	1626	0	0	0	0	0	0	0	0	0	102	0	0	0	0
87	0.37	-2.28	15	17	1600	0	1600	0	0	0	0	1617	0	0	0	0	0	0	0	0	0	59	0	0	0
88	0.12	-0.14	33	41	1633	0	0	1633	0	0	0	0	1674	0	0	0	0	0	0	0	0	0	38	0	0
89	0.42	-1.28	13	28	1646	0	0	0	1646	0	0	0	0	1674	0	0	0	0	0	0	0	0	0	12	0
90	0.41	-0.44	14	37	1660	0	0	0	0	1660	0	0	0	0	1697	0	0	0	0	0	0	0	0	0	31
91	0.25	0.15	21	44	1681	1681	0	0	0	0	1725	0	0	0	0	0	0	0	0	0	55	0	0	0	0
92	0.53	-2.06	10	19	1691	0	1691	0	0	0	0	1710	0	0	0	0	0	0	0	0	0	74	0	0	0
93	0.50	0.01	11	42	1702	0	0	1702	0	0	0	0	1744	0	0	0	0	0	0	0	0	0	28	0	0
94	0.63	0.13	7	44	1709	0	0	0	1709	0	0	0	0	1753	0	0	0	0	0	0	0	0	0	35	0
95	0.17	0.16	27	44	1736	0	0	0	0	1736	0	0	0	0	1780	0	0	0	0	0	0	0	0	0	39
96	0.50	0.84	11	52	1747	1747	0	0	0	0	1799	0	0	0	0	0	0	0	0	0	22	0	0	0	0
97	0.47	1.29	12	57	1759	0	1759	0	0	0	0	1816	0	0	0	0	0	0	0	0	0	49	0	0	0
98	0.36	-0.21	16	40	1775	0	0	1775	0	0	0	0	1815	0	0	0	0	0	0	0	0	0	31	0	0
99	0.52	-0.31	10	39	1785	0	0	0	1785	0	0	0	0	1824	0	0	0	0	0	0	0	0	0	32	0
100	0.48	0.61	11	49	1796	0	0	0	0	1796	0	0	0	0	1845	0	0	0	0	0	0	0	0	0	16
101	0.46	-0.27	12	39	1808	1808	0	0	0	0	1847	0	0	0	0	0	0	0	0	0	9	0	0	0	0
102	0.40	1.16	14	55	1822	0	1822	0	0	0	0	1877	0	0	0	0	0	0	0	0	0	6	0	0	0
103	0.70	-1.43	6	26	1828	0	0	1828	0	0	0	0	1854	0	0	0	0	0	0	0	0	0	13	0	0
104	0.12	0.67	33	50	1861	0	0	0	1861	0	0	0	0	1911	0	0	0	0	0	0	0	0	0	37	0
105	0.69	0.61	6	49	1867	0	0	0	0	1867	0	0	0	0	1916	0	0	0	0	0	0	0	0	0	22

No	ART					SET					WT					IT									
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
106	0.35	0.98	16	53	1883	1883	0	0	0	0	1936	0	0	0	0	0	0	0	0	0	36	0	0	0	0
107	0.42	1.74	13	62	1896	0	1896	0	0	0	0	1958	0	0	0	0	0	0	0	0	0	19	0	0	0
108	0.27	-1.37	20	27	1916	0	0	1916	0	0	0	0	1943	0	0	0	0	0	0	0	0	0	62	0	0
109	0.45	-0.96	12	32	1928	0	0	0	1928	0	0	0	0	1960	0	0	0	0	0	0	0	0	0	17	0
110	0.62	0.07	7	43	1935	0	0	0	0	1935	0	0	0	0	1978	0	0	0	0	0	0	0	0	0	19
111	0.15	-0.47	29	37	1964	1964	0	0	0	0	2001	0	0	0	0	0	0	0	0	0	28	0	0	0	0
112	0.04	-0.88	49	32	2013	0	2013	0	0	0	0	2045	0	0	0	0	0	0	0	0	0	55	0	0	0
113	0.63	0.06	7	43	2020	0	0	2020	0	0	0	0	2063	0	0	0	0	0	0	0	0	0	77	0	0
114	0.07	-0.56	41	36	2061	0	0	0	2061	0	0	0	0	2097	0	0	0	0	0	0	0	0	0	101	0
115	0.64	0.76	7	51	2068	0	0	0	0	2068	0	0	0	0	2119	0	0	0	0	0	0	0	0	0	90
116	0.21	-0.47	24	37	2092	2092	0	0	0	0	2129	0	0	0	0	0	0	0	0	0	91	0	0	0	0
117	0.39	0.24	15	45	2107	0	2107	0	0	0	0	2152	0	0	0	0	0	0	0	0	0	62	0	0	0
118	0.52	0.36	10	46	2117	0	0	2117	0	0	0	0	2163	0	0	0	0	0	0	0	0	0	54	0	0
119	0.69	-0.13	6	41	2123	0	0	0	2123	0	0	0	0	2164	0	0	0	0	0	0	0	0	0	26	0
120	0.02	0.55	60	48	2183	0	0	0	0	2183	0	0	0	0	2231	0	0	0	0	0	0	0	0	0	64
121	0.38	-0.27	15	39	2198	2198	0	0	0	0	2237	0	0	0	0	0	0	0	0	0	69	0	0	0	0
122	0.66	-1.04	6	31	2204	0	2204	0	0	0	0	2235	0	0	0	0	0	0	0	0	0	52	0	0	0
123	0.11	1.50	35	59	2239	0	0	2239	0	0	0	0	2298	0	0	0	0	0	0	0	0	0	76	0	0
124	0.50	-1.46	11	26	2250	0	0	0	2250	0	0	0	0	2276	0	0	0	0	0	0	0	0	0	86	0
125	0.54	0.53	9	48	2259	0	0	0	0	2259	0	0	0	0	2307	0	0	0	0	0	0	0	0	0	28
126	0.69	1.04	6	54	2265	2265	0	0	0	0	2319	0	0	0	0	0	0	0	0	0	28	0	0	0	0
127	0.22	-0.01	23	42	2288	0	2288	0	0	0	0	2330	0	0	0	0	0	0	0	0	0	53	0	0	0
128	0.07	-1.23	40	28	2328	0	0	2328	0	0	0	0	2356	0	0	0	0	0	0	0	0	0	30	0	0
129	0.51	-0.74	11	34	2339	0	0	0	2339	0	0	0	0	2373	0	0	0	0	0	0	0	0	0	63	0
130	0.30	-0.37	19	38	2358	0	0	0	0	2358	0	0	0	0	2396	0	0	0	0	0	0	0	0	0	51
131	0.32	1.12	17	55	2375	2375	0	0	0	0	2430	0	0	0	0	0	0	0	0	0	56	0	0	0	0
132	0.58	0.04	8	43	2383	0	2383	0	0	0	0	2426	0	0	0	0	0	0	0	0	0	53	0	0	0
133	0.32	-0.15	18	41	2401	0	0	2401	0	0	0	0	2442	0	0	0	0	0	0	0	0	0	45	0	0
134	0.43	1.05	13	54	2414	0	0	0	2414	0	0	0	0	2468	0	0	0	0	0	0	0	0	0	41	0
135	0.50	-0.90	11	32	2425	0	0	0	0	2425	0	0	0	0	2457	0	0	0	0	0	0	0	0	0	29
136	0.63	0.82	7	51	2432	2432	0	0	0	0	2483	0	0	0	0	0	0	0	0	0	2	0	0	0	0
137	0.63	0.50	7	48	2439	0	2439	0	0	0	0	2487	0	0	0	0	0	0	0	0	0	13	0	0	0
138	0.43	0.27	13	45	2452	0	0	2452	0	0	0	0	2497	0	0	0	0	0	0	0	0	0	10	0	0
139	0.13	-1.60	32	24	2484	0	0	0	2484	0	0	0	0	2508	0	0	0	0	0	0	0	0	0	16	0
140	0.32	-0.87	18	33	2502	0	0	0	0	2502	0	0	0	0	2535	0	0	0	0	0	0	0	0	0	45

No						-ART-					-SET-					-WT-					-IT-				
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
141	0.16	1.81	29	62	2531	2531	0	0	0	0	2593	0	0	0	0	0	0	0	0	0	48	0	0	0	0
142	0.69	-0.99	6	31	2537	0	2537	0	0	0	0	2568	0	0	0	0	0	0	0	0	0	50	0	0	0
143	0.24	0.00	22	42	2559	0	0	2559	0	0	0	0	2601	0	0	0	0	0	0	0	0	0	62	0	0
144	0.09	-1.10	36	30	2595	0	0	0	2595	0	0	0	0	2625	0	0	0	0	0	0	0	0	0	87	0
145	0.52	-0.64	10	35	2605	0	0	0	0	2605	0	0	0	0	2640	0	0	0	0	0	0	0	0	0	70
146	0.04	-0.32	48	39	2653	2653	0	0	0	0	2692	0	0	0	0	0	0	0	0	0	60	0	0	0	0
147	0.03	-0.71	54	34	2707	0	2707	0	0	0	0	2741	0	0	0	0	0	0	0	0	0	139	0	0	0
148	0.48	0.68	11	50	2718	0	0	2718	0	0	0	0	2768	0	0	0	0	0	0	0	0	0	117	0	0
149	0.61	-0.68	8	35	2726	0	0	0	2726	0	0	0	0	2761	0	0	0	0	0	0	0	0	0	101	0
150	0.09	0.35	37	46	2763	0	0	0	0	2763	0	0	0	0	2809	0	0	0	0	0	0	0	0	0	123
151	0.11	0.43	34	47	2797	2797	0	0	0	0	2844	0	0	0	0	0	0	0	0	0	105	0	0	0	0
152	0.51	-1.57	10	25	2807	0	2807	0	0	0	0	2832	0	0	0	0	0	0	0	0	0	66	0	0	0
153	0.56	-1.30	9	28	2816	0	0	2816	0	0	0	0	2844	0	0	0	0	0	0	0	0	0	48	0	0
154	0.36	-1.92	16	21	2832	0	0	0	2832	0	0	0	0	2853	0	0	0	0	0	0	0	0	0	71	0
155	0.11	-0.74	33	34	2865	0	0	0	0	2865	0	0	0	0	2899	0	0	0	0	0	0	0	0	0	56
156	0.07	-0.20	40	40	2905	2905	0	0	0	0	2945	0	0	0	0	0	0	0	0	0	61	0	0	0	0
157	0.50	-0.67	11	35	2916	0	2916	0	0	0	0	2951	0	0	0	0	0	0	0	0	0	84	0	0	0
158	0.24	1.87	22	63	2938	0	0	2938	0	0	0	0	3001	0	0	0	0	0	0	0	0	0	94	0	0
159	0.17	0.62	27	49	2965	0	0	0	2965	0	0	0	0	3014	0	0	0	0	0	0	0	0	0	112	0
160	0.16	1.86	28	63	2993	0	0	0	0	2993	0	0	0	0	3056	0	0	0	0	0	0	0	0	0	94
161	0.09	0.54	37	48	3030	3030	0	0	0	0	3078	0	0	0	0	0	0	0	0	0	85	0	0	0	0
162	0.55	0.25	9	45	3039	0	3039	0	0	0	0	3084	0	0	0	0	0	0	0	0	0	88	0	0	0
163	0.64	0.99	7	53	3046	0	0	3046	0	0	0	0	0	3099	0	0	0	0	0	0	0	0	45	0	0
164	0.60	0.64	8	49	3054	0	0	0	3054	0	0	0	0	3103	0	0	0	0	0	0	0	0	0	40	0
165	0.27	-0.87	20	33	3074	0	0	0	0	3074	0	0	0	0	3107	0	0	0	0	0	0	0	0	0	18
166	0.45	0.44	12	47	3086	3086	0	0	0	0	3133	0	0	0	0	0	0	0	0	0	8	0	0	0	0
167	0.42	0.85	13	52	3099	0	3099	0	0	0	0	3151	0	0	0	0	0	0	0	0	0	15	0	0	0
168	0.59	-1.38	8	27	3107	0	0	3107	0	0	0	0	3134	0	0	0	0	0	0	0	0	0	8	0	0
169	0.58	-0.22	8	40	3115	0	0	0	3115	0	0	0	0	3155	0	0	0	0	0	0	0	0	0	12	0
170	0.67	-2.02	6	20	3121	0	0	0	0	3121	0	0	0	0	3141	0	0	0	0	0	0	0	0	0	14
171	0.60	-0.61	8	35	3129	3133	0	0	0	0	3168	0	0	0	0	4	0	0	0	0	0	0	0	0	0
172	0.38	-1.42	15	26	3144	0	0	3144	0	0	0	0	3170	0	0	0	0	0	0	0	0	0	10	0	0
173	0.08	0.28	39	45	3183	0	3183	0	0	0	0	3228	0	0	0	0	0	0	0	0	0	32	0	0	0
174	0.67	-0.35	6	38	3189	0	0	0	3189	0	0	0	0	3227	0	0	0	0	0	0	0	0	0	34	0
175	0.06	1.75	44	62	3233	0	0	0	0	3233	0	0	0	0	3295	0	0	0	0	0	0	0	0	0	92

No	ART					SET					WT					IT									
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
176	0.08	1.67	39	61	3272	3272	0	0	0	0	3333	0	0	0	0	0	0	0	0	0	104	0	0	0	0
177	0.20	0.27	25	45	3297	0	3297	0	0	0	0	3342	0	0	0	0	0	0	0	0	0	69	0	0	0
178	0.26	-0.64	20	35	3317	0	0	3317	0	0	0	0	3352	0	0	0	0	0	0	0	0	0	147	0	0
179	0.23	-0.01	23	42	3340	0	0	0	3340	0	0	0	0	3382	0	0	0	0	0	0	0	0	0	113	0
180	0.32	1.32	17	57	3357	0	0	0	0	3357	0	0	0	0	3414	0	0	0	0	0	0	0	0	0	62
181	0.18	-0.60	27	36	3384	3384	0	0	0	0	3420	0	0	0	0	0	0	0	0	0	51	0	0	0	0
182	0.44	1.84	13	63	3397	0	3397	0	0	0	0	3460	0	0	0	0	0	0	0	0	0	55	0	0	0
183	0.46	-0.64	12	35	3409	0	0	3409	0	0	0	0	3444	0	0	0	0	0	0	0	0	57	0	0	0
184	0.41	-0.88	14	32	3423	0	0	0	3423	0	0	0	0	3455	0	0	0	0	0	0	0	0	41	0	0
185	0.13	0.89	32	52	3455	0	0	0	0	3455	0	0	0	0	3507	0	0	0	0	0	0	0	0	0	41
186	0.50	-0.80	11	33	3466	3466	0	0	0	0	3499	0	0	0	0	0	0	0	0	0	46	0	0	0	0
187	0.24	0.54	22	48	3488	0	3488	0	0	0	0	3536	0	0	0	0	0	0	0	0	0	28	0	0	0
188	0.26	0.25	21	45	3509	0	0	3509	0	0	0	0	3554	0	0	0	0	0	0	0	0	0	65	0	0
189	0.31	-1.15	18	29	3527	0	0	0	3527	0	0	0	0	3556	0	0	0	0	0	0	0	0	72	0	0
190	0.60	-0.75	8	34	3535	0	0	0	0	3535	0	0	0	0	3569	0	0	0	0	0	0	0	0	0	28
191	0.37	-1.18	15	29	3550	3550	0	0	0	0	3579	0	0	0	0	0	0	0	0	0	51	0	0	0	0
192	0.55	0.69	9	50	3559	0	3559	0	0	0	0	3609	0	0	0	0	0	0	0	0	0	23	0	0	0
193	0.16	0.80	28	51	3587	0	0	3587	0	0	0	0	3638	0	0	0	0	0	0	0	0	0	33	0	0
194	0.33	-1.09	17	30	3604	0	0	0	3604	0	0	0	0	3634	0	0	0	0	0	0	0	0	48	0	0
195	0.10	-0.79	35	33	3639	0	0	0	0	3639	0	0	0	0	3672	0	0	0	0	0	0	0	0	0	70
196	0.53	0.32	10	46	3649	3649	0	0	0	0	3695	0	0	0	0	0	0	0	0	0	70	0	0	0	0
197	0.45	-0.47	12	37	3651	0	3661	0	0	0	0	3698	0	0	0	0	0	0	0	0	0	52	0	0	0
198	0.43	-0.52	13	36	3674	0	0	3674	0	0	0	0	3710	0	0	0	0	0	0	0	0	0	36	0	0
199	0.24	-1.95	22	20	3696	0	0	0	3696	0	0	0	0	3716	0	0	0	0	0	0	0	0	62	0	0
200	0.39	0.62	14	49	3710	0	0	0	0	3710	0	0	0	0	3759	0	0	0	0	0	0	0	0	0	38
201	0.11	-0.43	34	37	3744	3744	0	0	0	0	3781	0	0	0	0	0	0	0	0	0	49	0	0	0	0
202	0.26	0.80	21	51	3765	0	3765	0	0	0	0	3816	0	0	0	0	0	0	0	0	0	67	0	0	0
203	0.47	-0.75	11	34	3776	0	0	3776	0	0	0	0	3810	0	0	0	0	0	0	0	0	0	66	0	0
204	0.31	1.48	18	59	3794	0	0	0	3794	0	0	0	0	3853	0	0	0	0	0	0	0	0	78	0	0
205	0.53	-0.56	10	36	3804	0	0	0	0	3804	0	0	0	0	3840	0	0	0	0	0	0	0	0	0	45
206	0.49	0.80	11	51	3815	3815	0	0	0	0	3866	0	0	0	0	0	0	0	0	0	34	0	0	0	0
207	0.43	0.06	13	43	3828	0	3828	0	0	0	0	3871	0	0	0	0	0	0	0	0	0	12	0	0	0
208	0.36	-0.50	16	37	3844	0	0	3844	0	0	0	0	3881	0	0	0	0	0	0	0	0	0	34	0	0
209	0.43	-0.05	13	42	3857	0	0	0	3857	0	0	0	0	3899	0	0	0	0	0	0	0	0	4	0	0
210	0.17	1.79	27	62	3884	0	0	0	0	3884	0	0	0	0	3946	0	0	0	0	0	0	0	0	44	0

No	RN1	RN2	ARR	SER	TAR	ART					SET					WT					IT					
						ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5	
211	0.32	1.14	17	55	3901	3901	0	0	0	0	3956	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0
212	0.57	-0.54	9	36	3910	0	3910	0	0	0	0	3946	0	0	0	0	0	0	0	0	0	0	39	0	0	0
213	0.36	0.79	16	51	3926	0	0	3926	0	0	0	0	3977	0	0	0	0	0	0	0	0	0	45	0	0	0
214	0.38	-0.10	15	41	3941	0	0	0	3941	0	0	0	0	3982	0	0	0	0	0	0	0	0	0	42	0	0
215	0.10	-0.18	35	40	3976	0	0	0	0	3976	0	0	0	0	4016	0	0	0	0	0	0	0	0	0	0	30
216	0.59	-1.27	8	28	3984	3984	0	0	0	0	4012	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0
217	0.44	0.60	13	49	3997	0	3997	0	0	0	0	4046	0	0	0	0	0	0	0	0	0	0	51	0	0	0
218	0.34	0.79	16	51	4013	0	0	4013	0	0	0	0	4064	0	0	0	0	0	0	0	0	0	36	0	0	0
219	0.22	0.41	24	47	4037	0	0	0	4037	0	0	0	0	4084	0	0	0	0	0	0	0	0	0	55	0	0
220	0.23	1.12	22	55	4059	0	0	0	0	4059	0	0	0	0	4114	0	0	0	0	0	0	0	0	0	0	43
221	0.03	-0.27	52	39	4111	4111	0	0	0	0	4150	0	0	0	0	0	0	0	0	0	0	99	0	0	0	0
222	0.34	0.17	17	44	4128	0	4128	0	0	0	0	4172	0	0	0	0	0	0	0	0	0	0	82	0	0	0
223	0.38	0.92	15	53	4143	0	0	4143	0	0	0	0	4196	0	0	0	0	0	0	0	0	0	79	0	0	0
224	0.45	-0.90	12	32	4155	0	0	0	4155	0	0	0	0	4187	0	0	0	0	0	0	0	0	0	71	0	0
225	0.23	-0.64	22	35	4177	0	0	0	0	4177	0	0	0	0	4212	0	0	0	0	0	0	0	0	0	0	63
226	0.10	1.31	36	57	4213	4213	0	0	0	0	4270	0	0	0	0	0	0	0	0	0	0	63	0	0	0	0
227	0.25	1.22	21	56	4234	0	4234	0	0	0	0	4290	0	0	0	0	0	0	0	0	0	0	62	0	0	0
228	0.59	0.22	8	45	4242	0	0	4242	0	0	0	0	4287	0	0	0	0	0	0	0	0	0	46	0	0	0
229	0.29	1.23	19	56	4261	0	0	0	4261	0	0	0	0	4317	0	0	0	0	0	0	0	0	0	74	0	0
230	0.59	0.14	8	44	4269	0	0	0	0	4269	0	0	0	0	4313	0	0	0	0	0	0	0	0	0	0	57
231	0.60	1.37	8	58	4277	4277	0	0	0	0	4335	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0
232	0.60	-1.08	8	30	4285	0	0	4287	0	0	0	0	4317	0	0	0	2	0	0	0	0	0	0	0	0	0
233	0.29	0.56	19	49	4304	0	4304	0	0	0	0	4353	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234	0.20	0.20	25	45	4329	0	0	0	4329	0	0	0	0	4374	0	0	0	0	0	0	0	0	14	0	0	0
235	0.21	-0.99	24	31	4353	0	0	0	0	4353	0	0	0	0	4384	0	0	0	0	0	0	0	0	12	0	0
236	0.13	-0.38	31	38	4384	4384	0	0	0	0	4422	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
237	0.42	1.95	13	64	4397	0	4397	0	0	0	0	4461	0	0	0	0	0	0	0	0	0	49	0	0	0	0
238	0.44	1.02	13	54	4410	0	0	4410	0	0	0	0	4464	0	0	0	0	0	0	0	0	0	44	0	0	0
239	0.41	0.53	14	48	4424	0	0	0	4424	0	0	0	0	4472	0	0	0	0	0	0	0	0	93	0	0	0
240	0.23	0.70	22	50	4446	0	0	0	0	4446	0	0	0	0	4496	0	0	0	0	0	0	0	0	0	50	0
241	0.39	1.02	15	54	4461	4461	0	0	0	0	4515	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
242	0.59	1.07	8	54	4469	0	4469	0	0	0	0	4523	0	0	0	0	0	0	0	0	0	39	0	0	0	0
243	0.13	1.61	31	60	4500	0	0	4500	0	0	0	0	4560	0	0	0	0	0	0	0	0	0	8	0	0	0
244	0.35	-0.70	16	34	4516	0	0	0	4516	0	0	0	0	4550	0	0	0	0	0	0	0	0	36	0	0	0
245	0.04	1.62	51	60	4567	0	0	0	0	4567	0	0	0	0	4627	0	0	0	0	0	0	0	0	44	0	0

No	RN1	RN2	ARR	SER	TAR	ART					SET					WT					IT				
						ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
246	0.25	0.01	21	42	4588	4588	0	0	0	0	4630	0	0	0	0	0	0	0	0	0	73	0	0	0	0
247	0.63	0.89	7	52	4595	0	4595	0	0	0	0	4647	0	0	0	0	0	0	0	0	0	72	0	0	0
248	0.54	1.37	9	58	4604	0	0	4604	0	0	0	0	4662	0	0	0	0	0	0	0	0	0	44	0	0
249	0.48	-0.54	11	36	4615	0	0	0	4615	0	0	0	0	4651	0	0	0	0	0	0	0	0	0	65	0
250	0.46	-1.85	12	22	4627	0	0	0	0	4627	0	0	0	0	4649	0	0	0	0	0	0	0	0	0	0
251	0.63	-0.45	7	37	4634	4634	0	0	0	0	4671	0	0	0	0	0	0	0	0	0	4	0	0	0	0
252	0.24	0.74	22	51	4656	0	4656	0	0	0	0	4707	0	0	0	0	0	0	0	0	0	9	0	0	0
253	0.31	0.68	18	50	4674	0	0	4674	0	0	0	0	4724	0	0	0	0	0	0	0	0	0	12	0	0
254	0.57	-1.57	9	25	4683	0	0	0	4683	0	0	0	0	4708	0	0	0	0	0	0	0	0	0	32	0
255	0.37	0.83	15	52	4698	0	0	0	0	4698	0	0	0	0	4750	0	0	0	0	0	0	0	0	0	49
256	0.28	-0.17	19	40	4717	4717	0	0	0	0	4757	0	0	0	0	0	0	0	0	0	46	0	0	0	0
257	0.18	1.84	26	63	4743	0	4743	0	0	0	0	4806	0	0	0	0	0	0	0	0	0	36	0	0	0
258	0.05	0.70	46	50	4789	0	0	4789	0	0	0	0	4839	0	0	0	0	0	0	0	0	0	65	0	0
259	0.22	0.08	23	43	4812	0	0	0	4812	0	0	0	0	4855	0	0	0	0	0	0	0	0	0	104	0
260	0.66	0.70	6	50	4818	0	0	0	0	4818	0	0	0	0	4868	0	0	0	0	0	0	0	0	0	68
261	0.14	-0.02	30	42	4848	4848	0	0	0	0	4890	0	0	0	0	0	0	0	0	0	91	0	0	0	0
262	0.21	0.39	24	47	4872	0	4872	0	0	0	0	4919	0	0	0	0	0	0	0	0	0	66	0	0	0
263	0.35	-1.13	16	30	4888	0	0	4888	0	0	0	0	4918	0	0	0	0	0	0	0	0	0	49	0	0
264	0.10	1.14	35	55	4923	0	0	0	4923	0	0	0	0	4978	0	0	0	0	0	0	0	0	0	68	0
265	0.65	0.07	7	43	4930	0	0	0	0	4930	0	0	0	0	4973	0	0	0	0	0	0	0	0	0	62
266	0.63	-0.04	7	42	4937	4937	0	0	0	0	4979	0	0	0	0	0	0	0	0	0	47	0	0	0	0
267	0.18	1.61	27	60	4964	0	4964	0	0	0	0	5024	0	0	0	0	0	0	0	0	0	45	0	0	0
268	0.56	0.80	9	51	4973	0	0	4973	0	0	0	0	5024	0	0	0	0	0	0	0	0	0	55	0	0
269	0.12	-0.70	33	34	5006	0	0	0	5006	0	0	0	0	5040	0	0	0	0	0	0	0	0	0	28	0
270	0.25	-0.38	21	38	5027	0	0	0	0	5027	0	0	0	0	5065	0	0	0	0	0	0	0	0	0	54
271	0.19	0.49	26	48	5053	5053	0	0	0	0	5101	0	0	0	0	0	0	0	0	0	74	0	0	0	0
272	0.27	-0.48	20	37	5073	0	5073	0	0	0	0	5110	0	0	0	0	0	0	0	0	0	49	0	0	0
273	0.65	-0.32	7	39	5080	0	0	5080	0	0	0	0	5119	0	0	0	0	0	0	0	0	0	56	0	0
274	0.07	-0.79	41	33	5121	0	0	0	5121	0	0	0	0	5154	0	0	0	0	0	0	0	0	0	81	0
275	0.03	0.97	53	53	5174	0	0	0	0	5174	0	0	0	0	5227	0	0	0	0	0	0	0	0	0	109
276	0.54	0.26	9	45	5183	5183	0	0	0	0	5228	0	0	0	0	0	0	0	0	0	82	0	0	0	0
277	0.50	1.12	11	55	5194	0	5194	0	0	0	0	5249	0	0	0	0	0	0	0	0	0	84	0	0	0
278	0.17	0.03	28	43	5222	0	0	5222	0	0	0	0	5265	0	0	0	0	0	0	0	0	0	103	0	0
279	0.29	-0.41	19	38	5241	0	0	0	5241	0	0	0	0	5279	0	0	0	0	0	0	0	0	0	87	0
280	0.33	0.19	17	44	5258	0	0	0	0	5258	0	0	0	0	5302	0	0	0	0	0	0	0	0	0	31

No	RN1	RN2	ARR	SER	TAR	ART					SET					WT					IT				
						ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
281	0.46	1.36	12	57	5270	5270	0	0	0	0	5327	0	0	0	0	0	0	0	0	0	42	0	0	0	0
282	0.02	-0.46	59	37	5329	0	5329	0	0	0	0	5366	0	0	0	0	0	0	0	0	0	80	0	0	0
283	0.07	0.78	41	51	5370	0	0	5370	0	0	0	0	5421	0	0	0	0	0	0	0	0	0	105	0	0
284	0.48	1.11	11	55	5381	0	0	0	5381	0	0	0	0	5436	0	0	0	0	0	0	0	0	0	102	0
285	0.15	2.10	30	66	5411	0	0	0	0	5411	0	0	0	0	5477	0	0	0	0	0	0	0	0	0	109
286	0.19	-1.30	26	28	5437	5437	0	0	0	0	5465	0	0	0	0	0	0	0	0	0	110	0	0	0	0
287	0.49	-0.20	11	40	5448	0	5448	0	0	0	0	5488	0	0	0	0	0	0	0	0	0	82	0	0	0
288	0.52	1.23	10	56	5458	0	0	5458	0	0	0	0	5514	0	0	0	0	0	0	0	0	0	37	0	0
289	0.54	0.29	9	46	5467	0	0	0	5467	0	0	0	0	0	5513	0	0	0	0	0	0	0	0	31	0
290	0.47	0.37	12	46	5479	0	0	0	0	5479	0	0	0	0	5525	0	0	0	0	0	0	0	0	0	2
291	0.12	-0.38	32	38	5511	5511	0	0	0	0	5549	0	0	0	0	0	0	0	0	0	46	0	0	0	0
292	0.43	-0.44	13	37	5524	0	5524	0	0	0	0	5561	0	0	0	0	0	0	0	0	0	36	0	0	0
293	0.67	0.90	6	52	5530	0	0	5530	0	0	0	0	5582	0	0	0	0	0	0	0	0	0	16	0	0
294	0.06	-0.86	44	33	5574	0	0	0	5574	0	0	0	0	5607	0	0	0	0	0	0	0	0	0	61	0
295	0.12	-1.21	32	29	5606	0	0	0	0	5606	0	0	0	0	5635	0	0	0	0	0	0	0	0	0	81
296	0.27	1.64	20	61	5626	5626	0	0	0	0	5687	0	0	0	0	0	0	0	0	0	77	0	0	0	0
297	0.09	-1.93	37	21	5663	0	5663	0	0	0	0	5684	0	0	0	0	0	0	0	0	0	102	0	0	0
298	0.29	0.61	19	49	5692	0	0	5692	0	0	0	0	5731	0	0	0	0	0	0	0	0	0	100	0	0
299	0.18	-0.02	27	42	5709	0	0	0	5709	0	0	0	0	5751	0	0	0	0	0	0	0	0	0	102	0
300	0.10	-0.54	35	36	5744	0	0	0	0	5744	0	0	0	0	5780	0	0	0	0	0	0	0	0	0	109
301	0.36	0.22	16	45	5760	5760	0	0	0	0	5805	0	0	0	0	0	0	0	0	0	73	0	0	0	0
302	0.69	-1.33	6	27	5766	0	5766	0	0	0	0	5793	0	0	0	0	0	0	0	0	0	82	0	0	0
303	0.33	-1.09	17	30	5783	0	0	5783	0	0	0	0	5813	0	0	0	0	0	0	0	0	0	52	0	0
304	0.38	0.67	15	50	5798	0	0	0	5798	0	0	0	0	5848	0	0	0	0	0	0	0	0	0	47	0
305	0.37	0.45	15	47	5813	0	0	0	0	5813	0	0	0	0	5860	0	0	0	0	0	0	0	0	0	33
306	0.39	0.40	14	47	5827	5827	0	0	0	0	5874	0	0	0	0	0	0	0	0	0	22	0	0	0	0
307	0.27	-0.76	20	34	5847	0	5847	0	0	0	0	5881	0	0	0	0	0	0	0	0	0	54	0	0	0
308	0.13	-0.28	32	39	5879	0	0	5879	0	0	0	0	5918	0	0	0	0	0	0	0	0	0	66	0	0
309	0.09	1.64	36	61	5915	0	0	0	5915	0	0	0	0	5976	0	0	0	0	0	0	0	0	0	67	0
310	0.13	0.62	31	49	5946	0	0	0	0	5946	0	0	0	0	5995	0	0	0	0	0	0	0	0	0	86
311	0.51	-0.02	10	42	5956	5956	0	0	0	0	5998	0	0	0	0	0	0	0	0	0	82	0	0	0	0
312	0.63	-1.58	7	25	5963	0	5963	0	0	0	0	5988	0	0	0	0	0	0	0	0	0	82	0	0	0
313	0.61	-0.87	8	33	5971	0	0	5971	0	0	0	0	6004	0	0	0	0	0	0	0	0	0	53	0	0
314	0.56	-0.27	9	39	5980	0	0	0	5980	0	0	0	0	6019	0	0	0	0	0	0	0	0	0	4	0
315	0.17	1.60	27	60	6007	0	0	0	0	6007	0	0	0	0	6067	0	0	0	0	0	0	0	0	0	12

No	RN1	RN2	ARR	SER	TAR	ART					SET					WT					IT				
						ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
316	0.45	1.65	12	61	6019	6019	0	0	0	0	6080	0	0	0	0	0	0	0	0	0	21	0	0	0	0
317	0.54	0.83	10	52	6029	0	6029	0	0	0	0	6081	0	0	0	0	0	0	0	0	41	0	0	0	0
318	0.32	1.14	18	55	6047	0	0	6047	0	0	0	0	0	6102	0	0	0	0	0	0	0	43	0	0	0
319	0.25	-0.20	21	40	6068	0	0	0	6068	0	0	0	0	0	6108	0	0	0	0	0	0	0	49	0	0
320	0.07	0.23	40	45	6108	0	0	0	0	6108	0	0	0	0	0	6153	0	0	0	0	0	0	0	41	0
321	0.51	-0.75	10	34	6118	6118	0	0	0	0	6152	0	0	0	0	0	0	0	0	38	0	0	0	0	0
322	0.35	1.86	16	63	6134	0	6134	0	0	0	0	6197	0	0	0	0	0	0	0	0	53	0	0	0	0
323	0.34	-0.14	16	41	6150	0	0	6150	0	0	0	0	6191	0	0	0	0	0	0	0	0	48	0	0	0
324	0.50	1.01	11	54	6161	0	0	0	6161	0	0	0	0	0	6215	0	0	0	0	0	0	0	53	0	0
325	0.51	-0.46	11	37	6172	0	0	0	0	6172	0	0	0	0	0	6209	0	0	0	0	0	0	0	0	19
326	0.50	0.07	11	43	6183	6183	0	0	0	0	6226	0	0	0	0	0	0	0	0	31	0	0	0	0	0
327	0.59	-1.48	8	26	6191	0	0	6191	0	0	0	0	0	6217	0	0	0	0	0	0	0	0	0	0	0
328	0.67	0.24	6	45	6197	0	6197	0	0	0	0	6242	0	0	0	0	0	0	0	0	0	0	0	0	0
329	0.21	-0.75	24	34	6221	0	0	0	6221	0	0	0	0	0	6255	0	0	0	0	0	0	0	0	6	0
330	0.68	-0.87	6	33	6227	0	0	0	0	6227	0	0	0	0	0	6260	0	0	0	0	0	0	0	0	18
331	0.30	-1.58	18	25	6245	6245	0	0	0	0	6270	0	0	0	0	0	0	0	0	19	0	0	0	0	0
332	0.21	-0.75	24	34	6269	0	6269	0	0	0	0	6303	0	0	0	0	0	0	0	0	27	0	0	0	0
333	0.51	-1.33	10	27	6279	0	0	6279	0	0	0	0	6306	0	0	0	0	0	0	0	0	62	0	0	0
334	0.40	1.21	14	56	6293	0	0	0	6293	0	0	0	0	0	6349	0	0	0	0	0	0	0	38	0	0
335	0.36	-0.48	16	37	6309	0	0	0	0	6309	0	0	0	0	0	6346	0	0	0	0	0	0	0	0	49
336	0.18	0.28	26	45	6335	6335	0	0	0	0	6380	0	0	0	0	0	0	0	0	65	0	0	0	0	0
337	0.68	-0.21	6	40	6341	0	6341	0	0	0	0	6381	0	0	0	0	0	0	0	0	38	0	0	0	0
338	0.59	-1.99	8	20	6349	0	0	6349	0	0	0	0	6369	0	0	0	0	0	0	0	0	43	0	0	0
339	0.09	0.60	37	49	6386	0	0	0	6386	0	0	0	0	6435	0	0	0	0	0	0	0	0	37	0	0
340	0.23	-0.53	23	36	6409	0	0	0	0	6409	0	0	0	0	0	6445	0	0	0	0	0	0	0	0	63
341	0.51	1.04	10	54	6419	6419	0	0	0	0	6473	0	0	0	0	0	0	0	0	39	0	0	0	0	0
342	0.27	-0.03	20	42	6439	0	6439	0	0	0	0	6481	0	0	0	0	0	0	0	0	58	0	0	0	0
343	0.22	-0.81	23	33	6462	0	0	6462	0	0	0	0	6495	0	0	0	0	0	0	0	0	93	0	0	0
344	0.40	-1.20	14	29	6476	0	0	0	6476	0	0	0	0	0	6505	0	0	0	0	0	0	0	41	0	0
345	0.40	-0.38	14	38	6490	0	0	0	0	6490	0	0	0	0	0	6528	0	0	0	0	0	0	0	0	45
346	0.11	-0.48	35	37	6525	6525	0	0	0	0	6562	0	0	0	0	0	0	0	0	52	0	0	0	0	0
347	0.11	-0.28	34	39	6559	0	6559	0	0	0	0	6598	0	0	0	0	0	0	0	0	78	0	0	0	0
348	0.68	-0.57	6	36	6565	0	0	6565	0	0	0	0	6601	0	0	0	0	0	0	0	0	70	0	0	0
349	0.45	0.04	12	43	6577	0	0	0	6577	0	0	0	0	0	6620	0	0	0	0	0	0	0	72	0	0
350	0.49	-0.17	11	40	6588	0	0	0	0	6588	0	0	0	0	0	6628	0	0	0	0	0	0	0	0	60

No	RN1	RN2	ARR	SER	TAR	ART					SET					WT					IT				
						ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
351	0.02	0.73	58	50	6646	6646	0	0	0	0	6696	0	0	0	0	0	0	0	0	0	84	0	0	0	0
352	0.49	1.03	11	54	6657	0	6657	0	0	0	0	6711	0	0	0	0	0	0	0	0	0	59	0	0	0
353	0.26	0.23	21	45	6678	0	0	6678	0	0	0	0	6723	0	0	0	0	0	0	0	0	0	77	0	0
354	0.45	0.56	12	49	6690	0	0	0	6690	0	0	0	0	6739	0	0	0	0	0	0	0	0	0	70	0
355	0.20	0.13	25	44	6715	0	0	0	0	6715	0	0	0	0	6759	0	0	0	0	0	0	0	0	0	87
356	0.54	0.13	10	44	6725	6725	0	0	0	0	6769	0	0	0	0	0	0	0	0	0	29	0	0	0	0
357	0.37	-1.07	15	30	6740	0	6740	0	0	0	0	6770	0	0	0	0	0	0	0	0	0	29	0	0	0
358	0.04	-0.12	49	41	6789	0	0	6789	0	0	0	0	6830	0	0	0	0	0	0	0	0	0	66	0	0
359	0.09	0.69	38	50	6827	0	0	0	6827	0	0	0	0	6877	0	0	0	0	0	0	0	0	0	88	0
360	0.11	-0.91	34	32	6861	0	0	0	0	6861	0	0	0	0	6893	0	0	0	0	0	0	0	0	0	102
361	0.24	1.85	22	63	6883	6883	0	0	0	0	6946	0	0	0	0	0	0	0	0	0	114	0	0	0	0
362	0.08	-0.36	40	38	6923	0	6923	0	0	0	0	6961	0	0	0	0	0	0	0	0	0	153	0	0	0
363	0.10	0.88	35	52	6958	0	0	6958	0	0	0	0	7010	0	0	0	0	0	0	0	0	0	128	0	0
364	0.38	0.46	15	47	6973	0	0	0	6973	0	0	0	0	7020	0	0	0	0	0	0	0	0	0	96	0
365	0.55	0.65	9	50	6982	0	0	0	0	6982	0	0	0	0	7032	0	0	0	0	0	0	0	0	0	89
366	0.66	-1.40	6	27	6988	6988	0	0	0	0	7015	0	0	0	0	0	0	0	0	0	42	0	0	0	0
367	0.24	0.84	22	52	7010	0	7010	0	0	0	0	7062	0	0	0	0	0	0	0	0	0	49	0	0	0
368	0.02	0.52	58	48	7068	0	0	7068	0	0	0	0	7116	0	0	0	0	0	0	0	0	0	58	0	0
369	0.45	-0.93	12	32	7080	0	0	0	7080	0	0	0	0	7112	0	0	0	0	0	0	0	0	0	60	0
370	0.08	1.33	39	57	7119	0	0	0	0	7119	0	0	0	0	7176	0	0	0	0	0	0	0	0	0	87
371	0.60	0.90	8	52	7127	7127	0	0	0	0	7179	0	0	0	0	0	0	0	0	0	112	0	0	0	0
372	0.50	0.05	11	43	7138	0	7138	0	0	0	0	7181	0	0	0	0	0	0	0	0	0	76	0	0	0
373	0.39	-1.93	15	21	7153	0	0	7153	0	0	0	0	7174	0	0	0	0	0	0	0	0	0	37	0	0
374	0.15	-0.21	30	40	7183	0	0	0	7183	0	0	0	0	7223	0	0	0	0	0	0	0	0	0	71	0
375	0.70	0.07	6	43	7189	0	0	0	0	7189	0	0	0	0	7232	0	0	0	0	0	0	0	0	0	13
376	0.66	-0.62	6	35	7195	7195	0	0	0	0	7230	0	0	0	0	0	0	0	0	0	16	0	0	0	0
377	0.35	0.76	16	51	7211	0	7211	0	0	0	0	7262	0	0	0	0	0	0	0	0	0	30	0	0	0
378	0.53	-0.18	10	40	7221	0	0	7221	0	0	0	0	7261	0	0	0	0	0	0	0	0	0	47	0	0
379	0.03	-0.71	54	34	7275	0	0	0	7275	0	0	0	0	7309	0	0	0	0	0	0	0	0	0	52	0
380	0.23	-0.56	23	36	7298	0	0	0	0	7298	0	0	0	0	7334	0	0	0	0	0	0	0	0	0	66
381	0.21	-1.89	24	21	7322	7322	0	0	0	0	7343	0	0	0	0	0	0	0	0	0	92	0	0	0	0
382	0.07	1.54	41	60	7363	0	7363	0	0	0	0	7423	0	0	0	0	0	0	0	0	0	101	0	0	0
383	0.35	-0.52	16	36	7379	0	0	7379	0	0	0	0	7415	0	0	0	0	0	0	0	0	0	118	0	0
384	0.26	0.51	20	48	7399	0	0	0	7399	0	0	0	0	7447	0	0	0	0	0	0	0	0	0	90	0
385	0.24	-2.25	22	17	7421	0	0	0	0	7421	0	0	0	0	7438	0	0	0	0	0	0	0	0	0	37

No	RN1	RN2	ARR	SER	TAR	ART					SET					WT					IT				
						ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
386	0.39	-1.86	14	21	7435	7435	0	0	0	0	7456	0	0	0	0	0	0	0	0	0	92	0	0	0	0
387	0.09	2.00	37	65	7472	0	7472	0	0	0	0	7537	0	0	0	0	0	0	0	0	0	49	0	0	0
388	0.56	-1.06	9	30	7481	0	0	7481	0	0	0	0	7511	0	0	0	0	0	0	0	0	0	66	0	0
389	0.42	-1.74	13	23	7494	0	0	0	7494	0	0	0	0	7517	0	0	0	0	0	0	0	0	0	47	0
390	0.12	2.45	32	70	7526	0	0	0	0	7526	0	0	0	0	7596	0	0	0	0	0	0	0	0	0	88
391	0.34	-1.28	17	28	7543	7543	0	0	0	0	7571	0	0	0	0	0	0	0	0	0	87	0	0	0	0
392	0.68	-1.66	6	24	7549	0	7549	0	0	0	0	7573	0	0	0	0	0	0	0	0	0	12	0	0	0
393	0.29	-1.26	19	28	7568	0	0	7568	0	0	0	0	7596	0	0	0	0	0	0	0	0	0	57	0	0
394	0.19	-0.02	26	42	7594	0	0	0	7594	0	0	0	0	7636	0	0	0	0	0	0	0	0	0	77	0
395	0.20	-2.34	25	16	7619	0	0	0	0	7619	0	0	0	0	7635	0	0	0	0	0	0	0	0	0	23
396	0.19	0.49	26	48	7645	7645	0	0	0	0	7693	0	0	0	0	0	0	0	0	0	74	0	0	0	0
397	0.58	0.65	8	50	7653	0	7653	0	0	0	0	7703	0	0	0	0	0	0	0	0	0	80	0	0	0
398	0.57	0.32	9	46	7662	0	0	7662	0	0	0	0	7708	0	0	0	0	0	0	0	0	0	66	0	0
399	0.33	0.48	17	48	7679	0	0	0	7679	0	0	0	0	7727	0	0	0	0	0	0	0	0	0	43	0
400	0.36	1.77	16	62	7695	0	0	0	0	7695	0	0	0	0	7757	0	0	0	0	0	0	0	0	0	60
401	0.07	0.66	42	50	7737	7737	0	0	0	0	7787	0	0	0	0	0	0	0	0	0	44	0	0	0	0
402	0.09	-0.50	37	37	7774	0	7774	0	0	0	0	7811	0	0	0	0	0	0	0	0	0	71	0	0	0
403	0.32	1.22	18	56	7792	0	0	7792	0	0	0	0	7848	0	0	0	0	0	0	0	0	0	84	0	0
404	0.70	0.06	6	43	7798	0	0	0	7798	0	0	0	0	7841	0	0	0	0	0	0	0	0	0	71	0
405	0.64	-0.14	7	41	7805	0	0	0	0	7805	0	0	0	0	7846	0	0	0	0	0	0	0	0	0	48
406	0.37	-0.69	15	35	7820	7820	0	0	0	0	7855	0	0	0	0	0	0	0	0	0	33	0	0	0	0
407	0.11	1.17	34	55	7854	0	7854	0	0	0	0	7909	0	0	0	0	0	0	0	0	0	43	0	0	0
408	0.21	0.01	24	42	7878	0	0	7878	0	0	0	0	7920	0	0	0	0	0	0	0	0	0	30	0	0
409	0.37	-0.59	15	36	7893	0	0	0	7893	0	0	0	0	7929	0	0	0	0	0	0	0	0	0	52	0
410	0.15	-0.72	29	34	7922	0	0	0	0	7922	0	0	0	0	7956	0	0	0	0	0	0	0	0	0	76
411	0.08	1.79	40	62	7962	7962	0	0	0	0	8024	0	0	0	0	0	0	0	0	0	107	0	0	0	0
412	0.51	0.50	10	48	7972	0	7972	0	0	0	0	8020	0	0	0	0	0	0	0	0	0	63	0	0	0
413	0.03	2.29	54	68	8026	0	0	8026	0	0	0	0	8094	0	0	0	0	0	0	0	0	0	106	0	0
414	0.65	1.24	7	56	8033	0	0	0	8033	0	0	0	0	8089	0	0	0	0	0	0	0	0	0	104	0
415	0.47	0.52	12	48	8045	0	0	0	0	8045	0	0	0	0	8093	0	0	0	0	0	0	0	0	0	89
416	0.54	-0.17	10	40	8055	8055	0	0	0	0	8095	0	0	0	0	0	0	0	0	0	31	0	0	0	0
417	0.06	0.36	42	46	8097	0	8097	0	0	0	0	8143	0	0	0	0	0	0	0	0	0	77	0	0	0
418	0.59	0.77	8	51	8105	0	0	8105	0	0	0	0	8156	0	0	0	0	0	0	0	0	0	11	0	0
419	0.31	-2.24	18	17	8123	0	0	0	8123	0	0	0	0	8140	0	0	0	0	0	0	0	0	0	34	0
420	0.52	0.46	10	47	8133	0	0	0	0	8133	0	0	0	0	8180	0	0	0	0	0	0	0	0	0	40

No	RN1	RN2	ARR	SER	TAR	ART					SET					WT					IT				
						ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
421	0.36	-0.68	16	35	8149	8149	0	0	0	0	8184	0	0	0	0	0	0	0	0	0	54	0	0	0	0
422	0.59	0.88	8	52	8157	0	8157	0	0	0	0	8209	0	0	0	0	0	0	0	0	0	14	0	0	0
423	0.49	0.59	11	49	8168	0	0	8168	0	0	0	0	8217	0	0	0	0	0	0	0	0	0	12	0	0
424	0.33	-0.19	17	40	8185	0	0	0	8185	0	0	0	0	8225	0	0	0	0	0	0	0	0	0	45	0
425	0.19	-0.39	25	38	8210	0	0	0	0	8210	0	0	0	0	8248	0	0	0	0	0	0	0	0	0	30
426	0.33	-1.48	17	26	8227	8227	0	0	0	0	8253	0	0	0	0	0	0	0	0	0	43	0	0	0	0
427	0.24	0.08	22	43	8249	0	8249	0	0	0	0	8292	0	0	0	0	0	0	0	0	0	40	0	0	0
428	0.30	-0.77	19	34	8268	0	0	8268	0	0	0	0	8302	0	0	0	0	0	0	0	0	0	51	0	0
429	0.48	-0.09	11	41	8279	0	0	0	8279	0	0	0	0	8320	0	0	0	0	0	0	0	0	0	54	0
430	0.47	1.29	12	57	8291	0	0	0	0	8291	0	0	0	0	8348	0	0	0	0	0	0	0	0	0	43
431	0.68	-0.62	6	35	8297	8297	0	0	0	0	8332	0	0	0	0	0	0	0	0	0	44	0	0	0	0
432	0.24	0.62	22	49	8319	0	8319	0	0	0	0	8368	0	0	0	0	0	0	0	0	0	27	0	0	0
433	0.66	-1.29	6	28	8325	0	0	8325	0	0	0	0	8353	0	0	0	0	0	0	0	0	0	23	0	0
434	0.57	-0.13	9	41	8334	0	0	0	8334	0	0	0	0	8375	0	0	0	0	0	0	0	0	0	14	0
435	0.17	0.33	27	46	8361	0	0	0	0	8361	0	0	0	0	8407	0	0	0	0	0	0	0	0	0	13
436	0.10	-0.86	36	33	8397	8397	0	0	0	0	8430	0	0	0	0	0	0	0	0	0	65	0	0	0	0
437	0.16	1.26	29	56	8426	0	8426	0	0	0	0	8482	0	0	0	0	0	0	0	0	0	58	0	0	0
438	0.46	-0.23	12	40	8438	0	0	8438	0	0	0	0	8478	0	0	0	0	0	0	0	0	0	85	0	0
439	0.53	1.43	10	58	8448	0	0	0	8448	0	0	0	0	8506	0	0	0	0	0	0	0	0	0	73	0
440	0.68	0.73	6	50	8454	0	0	0	0	8454	0	0	0	0	8504	0	0	0	0	0	0	0	0	0	47
441	0.65	0.93	7	53	8461	8461	0	0	0	0	8514	0	0	0	0	0	0	0	0	0	31	0	0	0	0
442	0.37	-0.27	15	39	8476	0	0	8478	0	0	0	0	8517	0	0	0	0	0	0	0	0	0	0	0	0
443	0.08	2.50	39	70	8515	0	8515	0	0	0	0	8585	0	0	0	0	0	0	0	0	0	33	0	0	0
444	0.05	-0.31	45	39	8560	0	0	0	8560	0	0	0	0	8599	0	0	0	0	0	0	0	0	0	54	0
445	0.40	-0.88	14	32	8574	0	0	0	0	8574	0	0	0	0	8606	0	0	0	0	0	0	0	0	0	70
446	0.17	0.97	27	53	8601	8601	0	0	0	0	8654	0	0	0	0	0	0	0	0	0	0	0	0	0	0
447	0.37	-0.82	15	33	8616	0	8616	0	0	0	0	8649	0	0	0	0	0	0	0	0	87	0	0	0	0
448	0.12	1.52	32	59	8648	0	0	8648	0	0	0	0	8707	0	0	0	0	0	0	0	0	31	0	0	0
449	0.09	-0.90	37	32	8685	0	0	0	8685	0	0	0	0	8717	0	0	0	0	0	0	0	0	131	0	0
450	0.61	-0.21	8	40	8693	0	0	0	0	8693	0	0	0	0	8733	0	0	0	0	0	0	0	0	86	0
451	0.59	0.43	8	47	8701	8701	0	0	0	0	8748	0	0	0	0	0	0	0	0	0	0	0	0	87	0
452	0.04	-0.84	51	33	8752	0	8752	0	0	0	0	8785	0	0	0	0	0	0	0	0	47	0	0	0	0
453	0.32	0.92	17	52	8769	0	0	8769	0	0	0	0	8821	0	0	0	0	0	0	0	0	103	0	0	0
454	0.51	0.30	10	46	8779	0	0	0	8779	0	0	0	0	8825	0	0	0	0	0	0	0	0	62	0	0
455	0.43	0.18	13	44	8792	0	0	0	0	8792	0	0	0	0	8836	0	0	0	0	0	0	0	0	62	59

No						ART					SET					WT					IT				
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
456	0.51	0.31	10	46	8802	8802	0	0	0	0	8848	0	0	0	0	0	0	0	0	0	54	0	0	0	0
457	0.26	0.24	21	45	8823	0	8823	0	0	0	0	8868	0	0	0	0	0	0	0	0	0	38	0	0	0
458	0.35	0.36	16	46	8839	0	0	8839	0	0	0	0	8885	0	0	0	0	0	0	0	0	0	18	0	0
459	0.29	-0.17	19	40	8858	0	0	0	8858	0	0	0	0	8898	0	0	0	0	0	0	0	0	0	33	0
460	0.53	0.62	10	49	8868	0	0	0	0	8868	0	0	0	0	8917	0	0	0	0	0	0	0	0	0	32
461	0.23	0.06	23	43	8891	8891	0	0	0	0	8934	0	0	0	0	0	0	0	0	0	43	0	0	0	0
462	0.07	0.65	40	49	8931	0	8931	0	0	0	0	8980	0	0	0	0	0	0	0	0	0	63	0	0	0
463	0.38	0.59	15	49	8946	0	0	8946	0	0	0	0	8995	0	0	0	0	0	0	0	0	0	61	0	0
464	0.34	0.46	17	47	8963	0	0	0	8963	0	0	0	0	9010	0	0	0	0	0	0	0	0	0	65	0
465	0.59	2.01	8	65	8971	0	0	0	0	8971	0	0	0	0	9036	0	0	0	0	0	0	0	0	0	54
466	0.63	0.33	7	46	8978	8978	0	0	0	0	9024	0	0	0	0	0	0	0	0	0	44	0	0	0	0
467	0.22	-0.09	24	41	9002	0	9002	0	0	0	0	9043	0	0	0	0	0	0	0	0	0	22	0	0	0
468	0.07	-1.50	42	26	9044	0	0	0	9044	0	0	0	0	9070	0	0	0	0	0	0	0	0	49	0	0
469	0.52	1.75	10	62	9054	0	0	0	0	9054	0	0	0	0	9116	0	0	0	0	0	0	0	0	44	0
470	0.37	-0.92	15	32	9069	0	0	0	0	9069	0	0	0	0	9101	0	0	0	0	0	0	0	0	0	33
471	0.46	-1.10	12	30	9081	9081	0	0	0	0	9111	0	0	0	0	0	0	0	0	0	57	0	0	0	0
472	0.20	-0.83	25	33	9106	0	9106	0	0	0	0	9139	0	0	0	0	0	0	0	0	0	63	0	0	0
473	0.52	0.17	10	44	9116	0	0	9116	0	0	0	0	9160	0	0	0	0	0	0	0	0	0	46	0	0
474	0.10	1.31	36	57	9152	0	0	0	9152	0	0	0	0	9209	0	0	0	0	0	0	0	0	0	36	0
475	0.51	0.57	10	49	9162	0	0	0	0	9162	0	0	0	0	9211	0	0	0	0	0	0	0	0	0	61
476	0.50	1.21	11	56	9173	9173	0	0	0	0	9229	0	0	0	0	0	0	0	0	0	62	0	0	0	0
477	0.06	-0.04	44	42	9217	0	9217	0	0	0	0	9259	0	0	0	0	0	0	0	0	0	78	0	0	0
478	0.04	-1.08	49	30	9266	0	0	9266	0	0	0	0	9296	0	0	0	0	0	0	0	0	0	106	0	0
479	0.33	0.11	17	43	9283	0	0	0	9283	0	0	0	0	9326	0	0	0	0	0	0	0	0	0	74	0
480	0.35	-0.51	16	37	9299	0	0	0	0	9299	0	0	0	0	9336	0	0	0	0	0	0	0	0	0	88
481	0.27	-0.45	20	37	9319	9319	0	0	0	0	9356	0	0	0	0	0	0	0	0	0	90	0	0	0	0
482	0.55	0.71	9	50	9328	0	9328	0	0	0	0	9378	0	0	0	0	0	0	0	0	0	69	0	0	0
483	0.10	0.35	35	46	9363	0	0	9363	0	0	0	0	9409	0	0	0	0	0	0	0	0	0	67	0	0
484	0.29	-0.12	19	41	9382	0	0	0	9382	0	0	0	0	9423	0	0	0	0	0	0	0	0	0	56	0
485	0.28	0.97	19	53	9401	0	0	0	0	9401	0	0	0	0	9454	0	0	0	0	0	0	0	0	0	65
486	0.66	-0.53	6	36	9407	9407	0	0	0	0	9443	0	0	0	0	0	0	0	0	0	51	0	0	0	0
487	0.36	0.34	16	46	9423	0	9423	0	0	0	0	9469	0	0	0	0	0	0	0	0	0	45	0	0	0
488	0.09	1.54	38	59	9461	0	0	9461	0	0	0	0	9520	0	0	0	0	0	0	0	0	0	52	0	0
489	0.18	-0.20	26	40	9487	0	0	0	9487	0	0	0	0	9527	0	0	0	0	0	0	0	0	0	64	0
490	0.18	-0.46	27	37	9514	0	0	0	0	9514	0	0	0	0	9551	0	0	0	0	0	0	0	0	0	60

No	RN1	RN2	ARR	SER	TAR	ART					SET					WT					IT				
						ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
491	0.26	0.09	21	43	9535	9535	0	0	0	0	9578	0	0	0	0	0	0	0	0	0	92	0	0	0	0
492	0.69	-0.82	6	33	9541	0	9541	0	0	0	0	9574	0	0	0	0	0	0	0	0	0	72	0	0	0
493	0.24	-0.81	22	33	9563	0	0	9563	0	0	0	0	0	9596	0	0	0	0	0	0	0	0	43	0	0
494	0.47	-0.01	11	42	9574	0	0	0	9574	0	0	0	0	0	9616	0	0	0	0	0	0	0	0	47	0
495	0.19	1.53	26	59	9600	0	0	0	0	9600	0	0	0	0	9659	0	0	0	0	0	0	0	0	0	49
496	0.19	1.47	25	59	9625	9625	0	0	0	0	9684	0	0	0	0	0	0	0	0	0	47	0	0	0	0
497	0.08	-0.20	39	40	9664	0	9664	0	0	0	0	9704	0	0	0	0	0	0	0	0	0	90	0	0	0
498	0.16	2.03	28	65	9692	0	0	9692	0	0	0	0	0	9757	0	0	0	0	0	0	0	0	96	0	0
499	0.35	0.35	16	46	9708	0	0	0	9708	0	0	0	0	0	9754	0	0	0	0	0	0	0	0	92	0
500	0.18	-0.51	26	37	9734	0	0	0	0	9734	0	0	0	0	0	9771	0	0	0	0	0	0	0	0	75
501	0.69	-1.38	6	27	9740	9740	0	0	0	0	9767	0	0	0	0	0	0	0	0	0	56	0	0	0	0
502	0.57	-0.27	9	39	9749	0	9749	0	0	0	0	9788	0	0	0	0	0	0	0	0	0	45	0	0	0
503	0.37	0.54	15	48	9764	0	0	9764	0	0	0	0	0	9812	0	0	0	0	0	0	0	0	7	0	0
504	0.55	0.43	9	47	9773	0	0	0	9773	0	0	0	0	0	9820	0	0	0	0	0	0	0	0	19	0
505	0.15	-0.15	29	41	9802	0	0	0	0	9802	0	0	0	0	0	9843	0	0	0	0	0	0	0	0	31
506	0.54	0.31	9	46	9811	9811	0	0	0	0	9857	0	0	0	0	0	0	0	0	0	44	0	0	0	0
507	0.17	0.27	27	45	9838	0	9838	0	0	0	0	9883	0	0	0	0	0	0	0	0	0	50	0	0	0
508	0.31	1.52	18	59	9856	0	0	9856	0	0	0	0	0	9915	0	0	0	0	0	0	0	0	44	0	0
509	0.03	0.50	53	48	9909	0	0	0	9909	0	0	0	0	0	9957	0	0	0	0	0	0	0	0	89	0
510	0.23	-1.67	22	24	9931	0	0	0	0	9931	0	0	0	0	9955	0	0	0	0	0	0	0	0	0	88
511	0.25	1.57	21	60	9952	9952	0	0	0	0	10012	0	0	0	0	0	0	0	0	0	95	0	0	0	0
512	0.48	0.83	11	52	9963	0	9963	0	0	0	0	10015	0	0	0	0	0	0	0	0	0	80	0	0	0
513	0.43	-1.61	13	24	9976	0	0	9976	0	0	0	0	0	10000	0	0	0	0	0	0	0	0	61	0	0
514	0.47	0.86	12	52	9988	0	0	0	9988	0	0	0	0	0	10040	0	0	0	0	0	0	0	0	31	0
515	0.37	-0.60	15	36	10003	0	0	0	0	10003	0	0	0	0	10039	0	0	0	0	0	0	0	0	0	48
516	0.18	-1.01	26	31	10029	10029	0	0	0	0	10060	0	0	0	0	0	0	0	0	0	17	0	0	0	0
517	0.38	-0.27	15	39	10044	0	10044	0	0	0	0	10083	0	0	0	0	0	0	0	0	0	29	0	0	0
518	0.24	0.12	22	44	10066	0	0	10066	0	0	0	0	10110	0	0	0	0	0	0	0	0	0	66	0	0
519	0.61	-0.22	8	40	10074	0	0	0	10074	0	0	0	0	0	10114	0	0	0	0	0	0	0	0	34	0
520	0.12	-1.07	32	30	10106	0	0	0	0	10106	0	0	0	0	10136	0	0	0	0	0	0	0	0	0	67
521	0.41	-0.95	14	32	10120	10120	0	0	0	0	10152	0	0	0	0	0	0	0	0	0	60	0	0	0	0
522	0.10	1.43	36	58	10156	0	10156	0	0	0	0	10214	0	0	0	0	0	0	0	0	0	73	0	0	0
523	0.38	-0.28	15	39	10171	0	0	10171	0	0	0	0	10210	0	0	0	0	0	0	0	0	0	61	0	0
524	0.05	-1.72	45	23	10216	0	0	0	10216	0	0	0	0	0	10239	0	0	0	0	0	0	0	0	102	0
525	0.61	1.45	8	58	10224	0	0	0	0	10224	0	0	0	0	10282	0	0	0	0	0	0	0	0	0	88

No	ART					SET					WT					IT									
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
526	0.64	0.34	7	46	10231	10231	0	0	0	0	10277	0	0	0	0	0	0	0	0	0	79	0	0	0	0
527	0.67	0.68	6	50	10237	0	10237	0	0	0	0	10287	0	0	0	0	0	0	0	0	0	23	0	0	0
528	0.18	-0.20	26	40	10263	0	0	10263	0	0	0	0	10303	0	0	0	0	0	0	0	0	0	53	0	0
529	0.12	0.11	33	44	10296	0	0	0	10296	0	0	0	0	10340	0	0	0	0	0	0	0	0	0	57	0
530	0.51	-0.66	10	35	10306	0	0	0	0	10306	0	0	0	0	10341	0	0	0	0	0	0	0	0	0	24
531	0.56	-0.84	9	33	10315	10315	0	0	0	0	10348	0	0	0	0	0	0	0	0	0	38	0	0	0	0
532	0.70	1.14	6	55	10321	0	10321	0	0	0	0	10376	0	0	0	0	0	0	0	0	0	34	0	0	0
533	0.13	0.27	31	45	10352	0	0	10352	0	0	0	0	10397	0	0	0	0	0	0	0	0	0	49	0	0
534	0.50	-1.79	11	22	10363	0	0	0	10363	0	0	0	0	10385	0	0	0	0	0	0	0	0	23	0	0
535	0.19	-2.43	25	15	10388	0	0	0	0	10388	0	0	0	0	10403	0	0	0	0	0	0	0	0	0	47
536	0.21	-1.70	24	23	10412	10412	0	0	0	0	10435	0	0	0	0	0	0	0	0	0	64	0	0	0	0
537	0.13	0.24	31	45	10443	0	10443	0	0	0	0	10488	0	0	0	0	0	0	0	0	0	0	0	0	0
538	0.64	-0.85	7	33	10450	0	0	10450	0	0	0	0	10483	0	0	0	0	0	0	0	0	67	0	0	0
539	0.53	0.49	10	48	10460	0	0	0	10460	0	0	0	0	10508	0	0	0	0	0	0	0	0	53	0	0
540	0.53	-0.87	10	33	10470	0	0	0	0	10470	0	0	0	0	10503	0	0	0	0	0	0	0	75	0	0
541	0.20	0.52	25	48	10495	10495	0	0	0	0	10543	0	0	0	0	0	0	0	0	0	0	0	0	0	67
542	0.10	1.30	35	57	10530	0	10530	0	0	0	0	10587	0	0	0	0	0	0	0	0	60	0	0	0	0
543	0.17	-0.36	27	39	10557	0	0	10557	0	0	0	0	10596	0	0	0	0	0	0	0	0	42	0	0	0
544	0.22	0.18	23	44	10580	0	0	0	10580	0	0	0	0	10624	0	0	0	0	0	0	0	0	74	0	0
545	0.14	0.86	31	52	10611	0	0	0	0	10611	0	0	0	0	10663	0	0	0	0	0	0	0	72	0	0
546	0.25	0.48	21	48	10632	10632	0	0	0	0	10680	0	0	0	0	0	0	0	0	0	0	0	0	0	108
547	0.41	0.62	14	49	10646	0	10646	0	0	0	0	10695	0	0	0	0	0	0	0	0	89	0	0	0	0
548	0.58	1.69	8	61	10654	0	0	10654	0	0	0	0	10715	0	0	0	0	0	0	0	0	59	0	0	0
549	0.68	0.15	6	44	10660	0	0	0	10660	0	0	0	0	10704	0	0	0	0	0	0	0	0	58	0	0
550	0.37	0.39	15	47	10675	0	0	0	0	10675	0	0	0	0	10722	0	0	0	0	0	0	0	36	0	0
551	0.03	0.36	56	46	10731	10731	0	0	0	0	10777	0	0	0	0	0	0	0	0	0	0	0	0	0	12
552	0.49	-1.28	11	28	10742	0	10742	0	0	0	0	10770	0	0	0	0	0	0	0	0	51	0	0	0	0
553	0.05	-0.33	47	39	10789	0	0	10789	0	0	0	0	10828	0	0	0	0	0	0	0	0	47	0	0	0
554	0.27	1.50	20	59	10809	0	0	0	10809	0	0	0	0	10868	0	0	0	0	0	0	0	0	74	0	0
555	0.56	-0.89	9	32	10818	0	0	0	0	10818	0	0	0	0	10850	0	0	0	0	0	0	0	0	105	0
556	0.23	-1.07	23	30	10841	10841	0	0	0	0	10871	0	0	0	0	0	0	0	0	0	0	0	0	0	96
557	0.04	0.82	48	51	10889	0	10889	0	0	0	0	10940	0	0	0	0	0	0	0	0	64	0	0	0	0
558	0.12	0.82	32	51	10921	0	0	10921	0	0	0	0	10972	0	0	0	0	0	0	0	0	119	0	0	0
559	0.15	-0.39	29	38	10950	0	0	0	10950	0	0	0	0	10988	0	0	0	0	0	0	0	0	93	0	0
560	0.38	-0.01	15	42	10965	0	0	0	0	10965	0	0	0	0	11007	0	0	0	0	0	0	0	82	0	0
																									115

No	ART					SET					WT					IT									
	RN1	RN2	ARR	SER	TAR	ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
561	0.50	-1.13	11	30	10976	10976	0	0	0	0	11006	0	0	0	0	0	0	0	0	0	105	0	0	0	0
562	0.68	-0.09	6	41	10982	0	10982	0	0	0	0	11023	0	0	0	0	0	0	0	0	0	42	0	0	0
563	0.12	0.18	33	44	11015	0	0	11015	0	0	0	0	11059	0	0	0	0	0	0	0	0	0	43	0	0
564	0.34	0.24	17	45	11032	0	0	0	11032	0	0	0	0	11077	0	0	0	0	0	0	0	0	0	44	0
565	0.29	-0.66	19	35	11051	0	0	0	0	11051	0	0	0	0	11086	0	0	0	0	0	0	0	0	0	44
566	0.26	0.04	21	43	11072	11072	0	0	0	0	11115	0	0	0	0	0	0	0	0	0	66	0	0	0	0
567	0.57	0.60	9	49	11081	0	11081	0	0	0	0	11130	0	0	0	0	0	0	0	0	0	58	0	0	0
568	0.30	-0.91	19	32	11100	0	0	11100	0	0	0	0	11132	0	0	0	0	0	0	0	0	0	41	0	0
569	0.03	0.57	56	49	11156	0	0	0	11156	0	0	0	0	11205	0	0	0	0	0	0	0	0	0	79	0
570	0.06	0.86	44	52	11200	0	0	0	0	11200	0	0	0	0	11252	0	0	0	0	0	0	0	0	0	114
571	0.32	0.75	18	51	11218	11218	0	0	0	0	11269	0	0	0	0	0	0	0	0	0	103	0	0	0	0
572	0.50	1.03	11	54	11229	0	11229	0	0	0	0	11283	0	0	0	0	0	0	0	0	0	99	0	0	0
573	0.42	-0.62	13	35	11242	0	0	11242	0	0	0	0	11277	0	0	0	0	0	0	0	0	0	110	0	0
574	0.35	-1.82	16	22	11258	0	0	0	11258	0	0	0	0	11280	0	0	0	0	0	0	0	0	0	53	0
575	0.43	0.83	13	52	11271	0	0	0	0	11271	0	0	0	0	11323	0	0	0	0	0	0	0	0	0	19
576	0.68	1.07	6	54	11277	11277	0	0	0	0	11331	0	0	0	0	0	0	0	0	0	8	0	0	0	0
577	0.10	-1.94	35	21	11312	0	11312	0	0	0	0	11333	0	0	0	0	0	0	0	0	0	29	0	0	0
578	0.21	0.50	24	48	11336	0	0	11336	0	0	0	0	11384	0	0	0	0	0	0	0	0	0	59	0	0
579	0.40	0.62	14	49	11350	0	0	0	11350	0	0	0	0	11399	0	0	0	0	0	0	0	0	0	70	0
580	0.12	-0.53	32	36	11382	0	0	0	0	11382	0	0	0	0	11418	0	0	0	0	0	0	0	0	0	59
581	0.37	-0.60	15	35	11397	11397	0	0	0	0	11432	0	0	0	0	0	0	0	0	0	66	0	0	0	0
582	0.30	-0.44	19	37	11416	0	11416	0	0	0	0	11453	0	0	0	0	0	0	0	0	0	83	0	0	0
583	0.36	0.67	16	50	11432	0	0	11432	0	0	0	0	11482	0	0	0	0	0	0	0	0	0	48	0	0
584	0.63	0.07	7	43	11439	0	0	0	11439	0	0	0	0	11482	0	0	0	0	0	0	0	0	0	40	0
585	0.53	0.38	10	47	11449	0	0	0	0	11449	0	0	0	0	11496	0	0	0	0	0	0	0	0	0	31
586	0.22	-0.48	24	37	11473	11473	0	0	0	0	11510	0	0	0	0	0	0	0	0	0	41	0	0	0	0
587	0.34	-1.04	17	31	11490	0	11490	0	0	0	0	11521	0	0	0	0	0	0	0	0	0	0	37	0	0
588	0.31	0.71	18	50	11508	0	0	11508	0	0	0	0	11558	0	0	0	0	0	0	0	0	0	26	0	0
589	0.56	-1.29	9	28	11517	0	0	0	11517	0	0	0	0	11545	0	0	0	0	0	0	0	0	0	35	0
590	0.55	0.14	9	44	11526	0	0	0	0	11526	0	0	0	0	11570	0	0	0	0	0	0	0	0	0	30
591	0.11	0.60	34	49	11560	11560	0	0	0	0	11609	0	0	0	0	0	0	0	0	0	50	0	0	0	0
592	0.27	2.04	20	65	11580	0	11580	0	0	0	0	11645	0	0	0	0	0	0	0	0	0	59	0	0	0
593	0.46	1.26	12	56	11592	0	0	11592	0	0	0	0	11648	0	0	0	0	0	0	0	0	0	34	0	0
594	0.38	0.56	15	48	11607	0	0	0	11607	0	0	0	0	11655	0	0	0	0	0	0	0	0	0	62	0
595	0.65	-0.80	7	33	11614	0	0	0	0	11614	0	0	0	0	11647	0	0	0	0	0	0	0	0	0	44

No	RN1	RN2	ARR	SER	TAR	ART					SET					WT					IT				
						ART1	ART2	ART3	ART4	ART5	SET1	SET2	SET3	SET4	SET5	WT1	WT2	WT3	WT4	WT5	IT1	IT2	IT3	IT4	IT5
596	0.22	-1.54	23	25	11637	11637	0	0	0	0	11662	0	0	0	0	0	0	0	0	0	28	0	0	0	0
597	0.65	-1.02	7	31	11644	0	11645	0	0	0	0	11676	0	0	0	0	1	0	0	0	0	0	0	0	0
598	0.29	-0.83	19	33	11663	0	0	11663	0	0	0	0	11696	0	0	0	0	0	0	0	0	0	15	0	0
599	0.53	-1.32	10	27	11673	0	0	0	11673	0	0	0	0	11700	0	0	0	0	0	0	0	0	0	18	0
600	0.56	0.72	9	50	11682	0	0	0	0	11682	0	0	0	0	11732	0	0	0	0	0	0	0	0	0	35
T O T A L																4	1	4	0	12	6558	6389	6551	5772	6562



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

No	RW1	RW2	ART			SET			WT			TT						
			ARR	SZR	TAR	ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	TT1	TT2	TT3	
550	0.40	0.89	15	41	10959	10959	0	0	10959	0	0	0	0	0	0	44	0	0
551	0.20	0.65	24	47	10924	10924	0	0	10924	0	0	0	0	0	0	0	37	0
552	0.17	0.66	29	45	10953	10953	0	0	10953	0	0	0	0	0	0	0	0	42
553	0.32	0.24	13	40	10971	10971	0	0	10971	0	0	0	0	0	0	52	0	0
554	0.03	0.00	59	38	11030	11030	0	0	11030	0	0	0	0	0	0	0	30	0
555	0.49	0.70	11	45	11041	11041	0	0	11041	0	0	0	0	0	0	0	0	45
556	0.48	1.59	12	54	11053	11053	0	0	11053	0	0	0	0	0	0	42	0	0
557	0.34	0.15	19	40	11071	11071	0	0	11071	0	0	0	0	0	0	0	0	0
558	0.26	0.65	17	45	11088	11088	0	0	11088	0	0	0	0	0	0	0	0	2
559	0.48	-0.06	12	37	11100	11100	0	0	11100	0	0	0	0	0	0	0	0	0
560	0.66	-1.13	7	27	11107	11107	0	0	11107	0	0	0	0	0	0	0	0	0
561	0.44	-1.34	13	25	11120	11120	0	0	11120	0	0	0	0	0	0	0	0	0
562	0.62	1.50	6	53	11128	11128	0	0	11128	0	0	0	0	0	0	0	0	0
563	0.10	-0.07	37	37	11165	11165	0	0	11165	0	0	0	0	0	0	0	0	0
564	0.64	-1.00	7	28	11172	11172	0	0	11172	0	0	0	0	0	0	0	0	0
565	0.34	-1.53	17	23	11189	11189	0	0	11189	0	0	0	0	0	0	0	0	0
566	0.50	-1.35	11	24	11200	11200	0	0	11200	0	0	0	0	0	0	0	0	0
567	0.51	0.78	11	46	11211	11211	0	0	11211	0	0	0	0	0	0	0	0	0
568	0.41	-1.86	14	19	11225	11225	0	0	11225	0	0	0	0	0	0	0	0	0
569	0.23	1.19	24	50	11249	11249	0	0	11249	0	0	0	0	0	0	0	0	0
570	0.58	0.85	9	47	11258	11258	0	0	11258	0	0	0	0	0	0	0	0	0
571	0.44	0.83	13	46	11271	11271	0	0	11271	0	0	0	0	0	0	0	0	0
572	0.13	0.05	33	39	11304	11304	0	0	11304	0	0	0	0	0	0	0	0	0
573	0.58	-1.43	9	24	11313	11313	0	0	11313	0	0	0	0	0	0	0	0	0
574	0.45	1.60	13	55	11326	11326	0	0	11326	0	0	0	0	0	0	0	0	0
575	0.63	0.37	10	42	11336	11336	0	0	11336	0	0	0	0	0	0	0	0	0
576	0.46	0.59	12	44	11346	11346	0	0	11346	0	0	0	0	0	0	0	0	0
577	0.28	-0.51	21	33	11363	11363	0	0	11363	0	0	0	0	0	0	0	0	0
578	0.17	0.68	26	48	11395	11395	0	0	11395	0	0	0	0	0	0	0	0	0
579	0.19	-0.61	37	33	11425	11425	0	0	11425	0	0	0	0	0	0	0	0	0
580	0.51	-0.66	11	23	11435	11435	0	0	11435	0	0	0	0	0	0	0	0	0
581	0.26	0.96	23	48	11459	11459	0	0	11459	0	0	0	0	0	0	0	0	0
582	0.37	0.26	16	41	11475	11475	0	0	11475	0	0	0	0	0	0	0	0	0
583	0.37	1.64	44	54	11513	11513	0	0	11513	0	0	0	0	0	0	0	0	0
584	0.32	0.66	25	45	11544	11544	0	0	11544	0	0	0	0	0	0	0	0	0
585	0.50	-1.01	11	23	11555	11555	0	0	11555	0	0	0	0	0	0	0	0	0
586	0.18	-0.63	28	32	11583	11583	0	0	11583	0	0	0	0	0	0	0	0	0
587	1.05	-0.21	47	36	11590	11590	0	0	11590	0	0	0	0	0	0	0	0	0
588	0.43	-0.37	15	34	11645	11645	0	0	11645	0	0	0	0	0	0	0	0	0
589	0.16	0.03	9	38	11654	11654	0	0	11654	0	0	0	0	0	0	0	0	0
590	0.13	-1.45	28	21	11682	11682	0	0	11682	0	0	0	0	0	0	0	0	0
591	0.60	-1.10	9	27	11691	11691	0	0	11691	0	0	0	0	0	0	0	0	0
592	0.31	0.25	19	41	11713	11713	0	0	11713	0	0	0	0	0	0	0	0	0
593	0.47	1.14	12	50	11722	11722	0	0	11722	0	0	0	0	0	0	0	0	0
594	0.43	0.14	16	39	11740	11740	0	0	11740	0	0	0	0	0	0	0	0	0
595	0.67	-0.16	6	36	11746	11746	0	0	11746	0	0	0	0	0	0	0	0	0
596	0.49	0.20	11	42	11757	11757	0	0	11757	0	0	0	0	0	0	0	0	0
597	0.40	0.73	12	45	11779	11779	0	0	11779	0	0	0	0	0	0	0	0	0
598	0.41	-0.03	13	33	11793	11793	0	0	11793	0	0	0	0	0	0	0	0	0
599	0.26	-0.12	17	37	11836	11836	0	0	11836	0	0	0	0	0	0	0	0	0
600	0.24	-0.33	32	35	11855	11855	0	0	11855	0	0	0	0	0	0	0	0	0
Total												425	371	499	4037	4215	4591	

No	RMT			SRT			WT			TT							
	RN1	RN2	ARR	SSR	TAR	ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	TT1	TT2	TT3
550	0.59	0.49	9	45	11252	0	0	11252	0	0	11297	0	0	0	0	0	11
551	0.20	-1.13	28	28	11280	0	11280	0	0	11308	0	0	0	0	0	13	0
552	0.41	-2.12	15	18	11295	11295	0	0	11313	0	0	0	0	0	3	0	0
553	0.23	1.25	25	53	11321	0	0	11321	0	0	11374	0	0	0	0	0	24
554	0.20	-0.74	27	32	11348	0	11348	0	0	11380	0	0	0	0	0	40	0
555	0.37	-0.96	17	30	11365	11365	0	0	11395	0	0	0	0	0	52	0	0
556	0.09	-0.43	42	36	11407	0	0	11407	0	0	11443	0	0	0	0	0	35
557	0.44	-1.83	14	21	11421	0	11421	0	0	11442	0	0	0	0	0	41	0
558	0.39	0.64	16	47	11437	11437	0	0	11484	0	0	0	0	0	42	0	0
559	0.27	1.06	23	51	11460	0	0	11460	0	0	11511	0	0	0	0	0	17
560	0.52	1.91	11	60	11471	0	11471	0	0	11531	0	0	0	0	0	29	0
561	0.69	-0.54	6	34	11477	11484	0	0	11518	0	0	7	0	0	0	0	0
562	0.66	-0.38	7	36	11484	0	0	11511	0	0	11547	0	0	27	0	0	0
563	0.55	-0.12	10	39	11494	11518	0	0	11557	0	0	24	0	0	0	0	0
564	0.39	-1.00	16	29	11510	0	11531	0	0	11560	0	0	21	0	0	0	0
565	0.62	0.85	8	49	11518	0	0	11547	0	0	11596	0	0	29	0	0	0
566	0.34	-1.51	19	24	11537	11557	0	0	11581	0	0	20	0	0	0	0	0
567	0.11	0.69	39	48	11576	0	11576	0	0	11624	0	0	0	0	0	15	0
568	0.56	-0.16	10	38	11586	11586	0	0	11624	0	0	0	0	0	5	0	0
569	0.42	1.93	15	61	11601	0	0	11601	0	0	11662	0	0	0	0	0	5
570	0.58	0.59	9	46	11610	11624	0	0	11670	0	0	14	0	0	0	0	0
571	0.21	0.46	27	45	11637	0	11637	0	0	11682	0	0	0	0	0	13	0
572	0.28	-0.15	22	39	11659	0	0	11662	0	0	11701	0	0	3	0	0	0
573	0.60	0.23	9	43	11668	11670	0	0	11713	0	0	2	0	0	0	0	0
574	0.06	-1.46	48	25	11716	0	11716	0	0	11741	0	0	0	0	0	34	0
575	0.06	-0.35	49	36	11765	0	0	11765	0	0	11801	0	0	0	0	0	64
576	0.58	0.03	9	40	11774	0	11774	0	0	11814	0	0	0	0	0	33	0
577	0.32	0.25	20	43	11794	11794	0	0	11837	0	0	0	0	0	31	0	0
578	0.23	-0.99	25	30	11819	0	0	11819	0	0	11849	0	0	0	0	0	18
579	0.32	-0.99	19	30	11838	0	11838	0	0	11868	0	0	0	0	0	24	0
580	0.09	-0.65	42	33	11880	0	0	11880	0	0	11913	0	0	0	0	0	31
581	0.16	0.51	31	46	11911	0	11911	0	0	11957	0	0	0	0	0	43	0
582	0.60	0.21	9	42	11920	0	0	11920	0	0	11952	0	0	0	0	0	7
583	0.26	0.93	23	50	11943	11943	0	0	11993	0	0	0	0	0	106	0	0
584	0.28	-1.35	22	25	11965	0	11965	0	0	11990	0	0	0	0	0	8	0
585	0.60	-0.92	9	30	11974	0	0	11974	0	0	12004	0	0	0	0	0	12
586	0.40	-0.54	16	33	11990	0	11990	0	0	12023	0	0	0	0	0	0	0
587	0.12	0.55	37	46	12027	12027	0	0	12073	0	0	0	0	0	34	0	0
588	0.47	0.25	13	43	12040	0	0	12040	0	0	12093	0	0	0	0	0	36
589	0.60	0.55	9	47	12049	0	12049	0	0	12096	0	0	0	0	0	25	0
590	0.39	1.30	16	54	12065	12073	0	0	12127	0	0	8	0	0	0	0	0
591	0.52	0.05	11	41	12076	0	0	12083	0	0	12124	0	0	7	0	0	0
592	0.52	0.07	11	41	12087	0	12096	0	0	12137	0	0	0	0	0	0	0
593	0.65	0.79	7	49	12094	0	0	12124	0	0	12173	0	0	30	0	0	0
594	0.68	1.36	7	55	12101	12127	0	0	12182	0	0	26	0	0	0	0	0
595	0.52	-0.40	11	36	12112	0	12137	0	0	12173	0	0	25	0	0	0	0
596	0.65	0.26	7	43	12119	0	12173	0	0	12216	0	0	34	0	0	0	0
597	0.31	-1.84	20	21	12139	0	0	12173	0	0	12194	0	0	34	0	0	0
598	0.56	0.49	10	45	12149	12182	0	0	12227	0	0	33	0	0	0	0	0
599	0.05	2.38	49	65	12198	0	0	12198	0	0	12263	0	0	0	0	0	4
600	0.53	0.62	11	47	12209	0	12216	0	0	12263	0	0	0	0	0	0	0
T O T A L												362	657	636	4076	4353	4060

No	ART			SPT			WT			OT								
	ENV1	ENV2	ARR	SER	TAR	ART1	ART2	ART3	SPT1	SPT2	SPT3	WT1	WT2	WT3	OT1	OT2	OT3	
550	0.12	-0.52	37	33	10819	10819	0	0	10852	0	0	0	0	0	0	54	0	0
551	0.30	-0.21	21	35	10840	0	10840	0	0	10878	0	0	0	0	0	0	39	0
552	0.60	-0.49	9	33	10849	0	0	10849	0	0	10882	0	0	0	0	0	0	16
553	0.55	-0.55	10	33	10859	10859	0	0	10892	0	0	0	0	0	0	7	0	0
554	1.32	0.03	20	39	10879	0	10879	0	0	10917	0	0	0	0	0	0	0	0
555	0.64	-1.97	3	13	10897	0	0	10897	0	0	10905	0	0	0	0	0	0	3
556	0.10	-0.93	40	23	10927	10927	0	0	10956	0	0	0	0	0	0	35	0	0
557	0.71	-0.77	6	30	10933	0	10933	0	0	10963	0	0	0	0	0	0	16	0
558	0.71	-0.41	6	34	10939	0	0	10939	0	0	10973	0	0	0	0	0	0	34
559	0.63	-0.06	8	37	10947	10956	0	0	10993	0	0	0	0	0	0	0	0	0
560	1.14	-0.64	34	32	10981	0	10981	0	0	11013	0	0	0	0	0	0	13	0
561	0.45	0.53	14	43	10995	0	0	10995	0	0	11038	0	0	0	0	0	0	22
562	0.29	-1.23	21	26	11016	11016	0	0	11042	0	0	0	0	0	0	13	0	0
563	0.40	0.03	16	38	11032	0	11032	0	0	11070	0	0	0	0	0	0	19	0
564	0.53	1.51	11	53	11043	0	0	11043	0	0	11096	0	0	0	0	0	0	5
565	0.65	1.66	7	55	11050	11050	0	0	11105	0	0	0	0	0	0	8	0	0
566	0.27	0.84	23	46	11073	0	11073	0	0	11119	0	0	0	0	0	0	3	0
567	0.32	-0.14	20	37	11093	0	0	11096	0	0	11133	0	0	0	0	0	0	0
568	0.31	-0.49	20	33	11113	11113	0	0	11146	0	0	0	0	0	0	8	0	0
569	0.41	-0.32	15	35	11128	0	11128	0	0	11163	0	0	0	0	0	0	9	0
570	0.46	0.88	13	47	11141	0	0	11141	0	0	11188	0	0	0	0	0	0	8
571	0.31	-1.11	20	27	11161	11161	0	0	11189	0	0	0	0	0	0	15	0	0
572	0.56	0.42	10	42	11171	0	11171	0	0	11213	0	0	0	0	0	0	8	0
573	0.57	1.78	10	56	11181	11188	0	0	11244	0	0	0	0	0	0	0	0	0
574	0.54	-0.35	11	35	11192	0	0	11192	0	0	11227	0	0	0	0	0	0	4
575	0.42	0.31	15	41	11207	0	11213	0	0	11254	0	0	0	0	0	0	0	0
576	0.11	0.78	37	46	11244	0	0	11244	0	0	11290	0	0	0	0	0	0	17
577	0.22	-0.26	26	35	11270	11270	0	0	11305	0	0	0	0	0	0	26	0	0
578	0.38	0.11	17	39	11287	0	11287	0	0	11326	0	0	0	0	0	0	33	0
579	0.53	1.04	11	49	11298	0	0	11293	0	0	11347	0	0	0	0	0	0	8
580	0.71	-1.35	6	24	11304	11305	0	0	11329	0	0	0	0	0	0	0	0	0
581	0.20	-0.95	28	28	11332	0	11332	0	0	11360	0	0	0	0	0	0	6	0
582	0.37	0.39	17	42	11349	0	0	11349	0	0	11391	0	0	0	0	0	0	2
583	0.50	0.11	9	39	11358	11358	0	0	11397	0	0	0	0	0	0	29	0	0
584	0.19	1.97	30	59	11388	0	11388	0	0	11446	0	0	0	0	0	0	26	0
585	0.43	-0.12	14	37	11402	0	0	11402	0	0	11439	0	0	0	0	0	0	11
586	0.57	-0.53	7	33	11409	11409	0	0	11442	0	0	0	0	0	0	12	0	0
587	0.56	1.16	7	50	11416	0	0	11439	0	0	11469	0	0	0	0	23	0	0
588	0.04	-0.75	56	30	11472	0	11472	0	0	11502	0	0	0	0	0	0	26	0
589	0.05	0.67	49	45	11521	11521	0	0	11566	0	0	0	0	0	0	19	0	0
590	0.41	2.37	15	62	11536	0	11536	0	0	11598	0	0	0	0	0	0	34	0
591	0.39	1.19	16	50	11552	0	0	11552	0	0	11602	0	0	0	0	0	0	63
592	0.65	-0.20	8	26	11560	11556	0	0	11602	0	0	0	0	0	0	0	0	0
593	0.59	-1.65	9	21	11569	0	11599	0	0	11619	0	0	0	0	29	0	0	0
594	0.50	-0.52	12	33	11592	11602	0	0	11636	0	0	0	0	0	0	0	0	0
595	0.05	-0.87	61	29	11632	0	0	11632	0	0	11661	0	0	0	0	0	0	30
596	0.37	-0.81	17	30	11649	0	11649	0	0	11679	0	0	0	0	0	0	30	0
597	0.11	2.15	38	60	11687	0	0	11687	0	0	11747	0	0	0	0	0	0	56
598	0.32	2.30	20	61	11707	11707	0	0	11769	0	0	0	0	0	0	0	0	0
599	0.09	0.42	42	42	11749	0	11749	0	0	11791	0	0	0	0	0	0	0	0
600	0.24	-1.67	24	21	11773	0	0	11773	0	0	11794	0	0	0	0	0	0	26
T O T A L												411	406	357	4390	3730	4056	

No	RN1	RN2	ARR	SER	PAR	ART			SET			WT			IT		
						ART1	ART2	ART3	SET1	SET2	SET3	WT1	WT2	WT3	IT1	IT2	IT3
550	0.26	0.24	22	43	11164	0	11164	0	0	11207	0	0	0	0	4	0	
551	0.35	0.36	17	44	11181	11181	0	0	11225	0	0	0	0	8	0	0	
552	0.29	-0.17	20	38	11201	0	0	11201	0	0	11239	0	0	0	0	2	
553	0.53	0.62	10	47	11211	0	11211	0	0	11258	0	0	0	0	4	0	
554	0.23	0.06	24	41	11235	11235	0	0	11276	0	0	0	0	10	0	0	
555	0.07	0.65	42	47	11277	0	0	11277	0	0	11324	0	0	0	0	38	
556	0.38	0.59	16	46	11293	11293	0	0	11339	0	0	0	0	17	0	0	
557	0.34	0.46	18	45	11311	0	11311	0	0	11356	0	0	0	0	53	0	
558	0.59	2.01	9	62	11320	0	0	11324	0	0	11386	0	0	4	0	0	
559	0.63	0.33	7	44	11327	11339	0	0	11383	0	0	12	0	0	0	0	
560	0.22	-0.09	25	39	11352	0	11356	0	0	11395	0	0	4	0	0	0	
561	0.07	-1.50	44	24	11396	0	0	11396	0	0	11420	0	0	0	0	10	
562	0.52	1.75	10	59	11406	11406	0	0	11465	0	0	0	0	23	0	0	
563	0.37	-0.92	16	30	11422	0	11422	0	0	11452	0	0	0	0	27	0	
564	0.46	-1.10	13	28	11435	0	0	11435	0	0	11463	0	0	0	0	15	
565	0.20	-0.83	26	31	11461	0	11461	0	0	11492	0	0	0	0	9	0	
566	0.52	0.17	11	42	11472	11472	0	0	11514	0	0	0	0	7	0	0	
567	0.10	1.31	38	54	11510	0	0	11510	0	0	11564	0	0	0	0	47	
568	0.51	0.57	11	46	11521	11521	0	0	11567	0	0	0	0	7	0	0	
569	0.50	1.21	11	53	11532	0	11532	0	0	11585	0	0	0	0	40	0	
570	0.06	-0.04	46	40	11578	0	0	11578	0	0	11618	0	0	0	0	14	
571	0.04	-1.08	51	29	11629	11629	0	0	11658	0	0	0	0	62	0	0	
572	0.33	0.11	18	41	11647	0	11647	0	0	11688	0	0	0	0	62	0	
573	0.35	-0.51	17	35	11664	0	0	11664	0	0	11699	0	0	0	0	46	
574	0.27	-0.45	21	35	11685	11685	0	0	11720	0	0	0	0	27	0	0	
575	0.71	-0.39	6	36	11691	0	11691	0	0	11727	0	0	0	0	3	0	
576	0.10	0.35	36	44	11727	0	0	11727	0	0	11771	0	0	0	0	26	
577	0.29	-0.12	20	39	11747	11747	0	0	11786	0	0	0	0	27	0	0	
578	0.28	0.97	20	50	11767	0	11767	0	0	11817	0	0	0	0	40	0	
579	0.66	-0.53	7	35	11774	0	0	11774	0	0	11809	0	0	0	0	3	
580	0.36	0.34	16	44	11790	11790	0	0	11834	0	0	0	0	4	0	0	
581	0.09	1.54	39	56	11829	0	11829	0	0	11885	0	0	0	0	12	0	
582	0.18	-0.20	28	38	11857	0	0	11857	0	0	11895	0	0	0	0	48	
583	0.18	-0.46	28	35	11885	11885	0	0	11920	0	0	0	0	51	0	0	
584	0.26	0.09	22	41	11907	0	11907	0	0	11948	0	0	0	0	22	0	
585	0.69	-0.82	6	31	11913	0	0	11913	0	0	11944	0	0	0	0	18	
586	0.24	-0.81	23	32	11936	11936	0	0	11968	0	0	0	0	16	0	0	
587	0.47	-0.01	12	40	11948	0	0	11948	0	0	11988	0	0	0	0	4	
588	0.71	2.04	6	62	11954	0	11954	0	0	12016	0	0	0	0	6	0	
589	0.38	0.41	16	45	11970	11970	0	0	12015	0	0	0	0	2	0	0	
590	0.69	0.67	6	47	11976	0	0	11988	0	0	12035	0	0	12	0	0	
591	0.43	0.23	14	43	11990	12015	0	0	12058	0	0	25	0	0	0	0	
592	0.37	1.78	16	59	12006	0	12016	0	0	12075	0	0	10	0	0	0	
593	0.55	0.01	10	40	12016	0	0	12035	0	0	12075	0	0	19	0	0	
594	0.03	-0.26	58	37	12074	12074	0	0	12111	0	0	0	0	16	0	0	
595	0.62	-1.42	8	25	12082	0	12082	0	0	12107	0	0	0	0	7	0	
596	0.37	0.54	16	46	12098	0	0	12098	0	0	12144	0	0	0	0	23	
597	0.11	1.09	35	52	12133	0	12133	0	0	12185	0	0	0	0	26	0	
598	0.04	0.15	52	41	12185	12185	0	0	12226	0	0	0	0	74	0	0	
599	0.54	-0.12	10	39	12195	0	12195	0	0	12234	0	0	0	0	10	0	
600	0.64	-0.64	7	33	12202	0	0	12202	0	0	12235	0	0	0	0	52	
T O T A L												433	425	384	4207	4155	4044



ประวัติผู้เขียน

นาย ประภาส รติสิน สำเร็จการศึกษาปริญญาตรีวิศวกรรมศาสตรบัณฑิต สาขา วิศวกรรมอุตสาหการ คณะวิศวกรรมศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย ในปีการศึกษา 2535 และเข้าศึกษาต่อในระดับปริญญาโทบริหารบัณฑิต สาขาวิศวกรรมอุตสาหการ คณะวิศวกรรมศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย เมื่อ พ.ศ. 2536

ประสบการณ์เคยทำงานเป็น วิศวกร ในหน้าที่การวางแผนและออกแบบกระบวนการผลิตของโรงงานสีรถยนต์ของบริษัท โตโยต้ามอเตอร์ ประเทศไทย จำกัด จังหวัดสมุทรปราการ

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย